ZARSIM

Zarsim General Catalog

List of Contents

List of Contents

Shoud you have any questions, including inquiries about detailed prouduct specifications or performance, please ask our sales department.

We are happy to prepare cable in addition to those introduced here to meet specific customer needs. Please contact us for details.

In the interest of quality improvement, specifications are subject to change without notice.

Zarsim Certificates

Products Range

- **Electrical Cables** (300/500V, 450/750 V & 0.6/1 kV)
  - Power Cable
    - CU/PVCor XLPE/PVC (NYY)(N2XY)
    - CU/PVC/CWS/PVC (NYCY)
    - CU/PVC/CWS/PVC/SWA or SWB /PVC (NYCYRY)
  - Control Cable
    - CU/XLPE/CWS/PVC/DTA/PVC (N2XYBY)
    - CU/MGT/XLPE/LSFOH/SWA/LSFOH (N2XHRH)
- **Instrumentation Cables** (90, 300,500 V)
  - Digital Cable
    - CU/PVCor XLPE/OSCR/PVC
    - CU/MGT/XLPE, EPR or SIR/ OSCR / LSFOH
    - CU/MGT/XLPE, EPR or SIR/OSCR/LSFOH/SWA or SWB / LSFOH
  - Analog Cable
    - CU/PVCor XLPE/ISCR/OSCR/PVC
    - CU/MGT/XLPE, EPR or SIR/ISCR/OSCR/PVC
    - CU/MGT/XLPE or EPR or SIR/ISCR/OSCR/LSFOH/SWA or SWB/LSFOH
- **Marine, shipboard Cables**
  - Power Cable → TI, TIOI, TICI, TIPI, TFOI, BI, BIOI, BICI
  - Instrumentation Cable → TI(i&c), TIOI(i&c), TICI(i&c), TIPI(i&c), TFOI(i&c), BI(i&c), BIOI(i&c), BICI(i&c)
- **Automotive Cables**
  - Cable Single core → AV, AVS, AVSS,CAVS ,CAVUS ,EB ,HDEB, T2 & T3
  - Shielded Cable → AVSS-AMS, AVSSSB, AVSSSW, T2-AMS & T3-AMS
- **Data Cables**
  - Telecommunication Cable → J-Y(St)Y, J-2Y(St)Y, A-2Y(St)2Y
  - Coaxial Cable → 2.5C 2V, 3C 2V, 4.5C 2V, RG6/U, RG-11/U, RG-58/U & RG-59/U
- **Special Cables**
  - Fire resistant Cable
  - Flat cable
  - Nylon (Polyamide) jacketed Cable → THWN & THHN
  - Offshore & marine Cable

Group 1
Electrical Cable

PVC insulated, non-sheathed cable for internal wiring, single core and twisted twin cable, up to 450/750 V

Application:

- In dry rooms, apparatus, switch and distribution boards, for fixed installation in conduits, over and under plaster and on insulated supports over plaster. Direct laying in plaster is not permitted.
- Minimum bending radius: 4 times of maximum overall diameter.

Standard:

- ISIRI (607)01
- ISIRI (607)05
- EC (60227)01
- IEC (60227)05
- BS 6004
- HD 21

Construction:

- Annealed copper conductor, class 1 & 2.
- PVC insulation, type C.

General specification:

- Working temperature: Max. 70°C.
- Harmonized code designation and rated voltage:
  solid conductor : H05V-U (300/500 V), H07V-U (450/750 V),stranded conductor:H05V-R (300/500 V), H07V-R(450/750 V).

PVC insulated, non-sheathed cable for internal wiring, single core and twisted twin cable, up to 450/750 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	MΩ.km	kg/km	Ω/km
0.5	1 x 0.80	0.6	2.3	0,015	9	36.0
0.75	1 x 0.98	0.6	2.5	0,012	11	24.5
1	1 x 1.13	0.6	2.7	0,011	15	18.1
1.5	1 x 1.38	0.7	3.2	0.011	21	12.1
2.5	1 x 1.78	0.8	3.9	0.010	31	7.41
4	1 x 2.25	0.8	4.4	0.0085	48	4.61
6	1 x 2.76	0.8	5.0	0.0070	68	3.08
10	1 x 3.57	1.0	6.4	0.0070	112	1.83
0.5	7 x 0.31	0.6	2.4	0.014	10	36.0
0.75	7 x 0.37	0.6	2.6	0.012	14	24.5
1	7 x 0.43	0.6	2.8	0.011	17	18.1
1.5	7 x 0.52	0.7	3.3	0.010	21	12.1
2.5	7 x 0.67	0.8	4.0	0.009	33	7.41
4	7 x 0.85	0.8	4.6	0.0077	51	4.61
6	7 x 1.04	0.8	5.2	0.0065	72	3.08
10	7 x 1.35	1.0	6.7	0.0065	118	1.83
16	7 x 1.70	1.0	7.8	0.0050	178	1.15
25	7 x 2.14	1.2	9.7	0.0050	279	0.727
35	7 x 2.52	1.2	10.9	0.0043	376	0.524
50	19 x 1.78	1.4	11.8	0.0043	508	0.387
70	19 x 2.14	1.4	13.6	0,0035	699	0.268
95	19 x 2.52	1.6	16.0	0,0035	985	0.193
120	37 x 2.03	1.6	17.6	0,0032	1225	0.153
150	37 x 2.25	1.8	19.5	0,0032	1505	0.124
185	37 x 2.52	2.0	21.8	0,0032	1890	0.0991
240	37 x 2.88	2.2	24.7	0,0032	2410	0.0754

PVC insulated, non-sheathed cable for internal wiring, single core and twisted twin cable, up to 450/750 V

Application:

- In dry rooms, apparatus switch and distribution boards, for fixed installation in conduits, over and under plaster and on insulated supports over plaster. Direct laying in plaster is not permitted.
- Minimum bending radius: 5 times of maximum overall diameter.

Standard:

- ISIRI (607)02
- ISIRI (607)06
- IEC (60227)02
- IEC (60227)06
- BS 6004
- HD 21

Construction:

- Annealed copper conductor, class 5.
- PVC insulation, type C.

General specification:

- Working temperature: Max. 70°C.
- Harmonized code designation and rated voltage: H05V-K (300/500 V), H07V-K (450/750 V).

PVC insulated, non-sheathed cable for internal wiring, single core and twisted twin cable, up to 450/750 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	MΩ.km	kg/km	Ω/km
0.5	16 x 0.20	0.6	2.2	0.013	9	39
0.75	24 x 0.20	0.6	2.4	0.011	12	26
1	32 x 0.20	0.6	2.6	0.010	15	19.5
1.5	30 x 0.25	0.7	3.0	0.010	21	13.3
2.5	50 x 0.25	0.8	3.6	0.009	33	7.98
4	36 x 0.30	0.8	4.2	0.007	48	4.95
6	84 x 0.30	0.8	4.8	0.006	68	3.30
10	80 x 0.40	1.0	6.1	0.0056	114	1.91
16	126 x 0.40	1.0	7.1	0.0046	173	1.21
25	196 x 0.40	1.2	9.3	0.0044	272	0.780
35	278 x 0.40	1.2	10.7	0.0038	365	0.554
50	398 x 0.40	1.4	12.6	0.0037	520	0.386
70	357 x 0.50	1.4	14.4	0,0032	720	0.272
95	484 x 0.50	1.6	16.4	0,0032	965	0.206
120	612 x 0.50	1.6	18.2	0,0029	1210	0.161
150	765 x 0.50	1.8	20.2	0,0029	1520	0.129
185	943 x 0.50	2.0	22.4	0,0029	1860	0.106
240	1224 x 0.50	2.2	25.4	0,0028	2365	0.0801

PVC insulated, non-sheathed, heat resisting cable for internal wiring, single core and twisted twin, 300/500 V

Application:

- In dry rooms, apparatus, switch and distribution boards, for fixed installation in conduits, over and under plaster and on insulated supports over plaster. Direct laying in plaster is not permitted.
- Minimum bending radius: 4 times of maximum overall diameter.

Standard:

- ISIRI (607)07
- ISIRI (607)08
- IEC (60227)07
- IEC (60227)08
- BS 6004
- HD 21

Construction:

- Annealed copper conductor, class 1, 2 & 5.
- PVC insulation, type E.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 90°C.
- Harmonized code designation:
  solid conductor: H05V2-U, stranded conductor: H05V2-R & flexible conductor: H05V2-K.

PVC insulated, non-sheathed, heat resisting cable for internal wiring, single core and twisted twin, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Overall diameter	Insulation resistance at 90°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	MΩ.km	kg/km	Ω/km
0.5	1 x 0.80	0.6	2.3	0.015	9	36.0
0.75	1 x 0.98	0.6	2.5	0.013	11	24.5
1	1 x 1.13	0.6	2.7	0.012	15	18.1
1.5	1 x 1.38	0.7	3.2	0.011	21	12.1
2.5	1 x 1.78	0.8	3.9	0.009	31	7.41
0.5	7 x 0.31	0.6	2.4	0.014	10	36.0
0.75	7 x 0.37	0.6	2.6	0.012	14	24.5
1	7 x 0.43	0.6	2.8	0.011	17	18.1
0.5	16 x 0.20	0.6	2.5	0.013	9	39.0
0.75	24 x 0.20	0.6	2.7	0.012	12	26.0
1	32 x 0.20	0.6	2.8	0.010	15	19.5
1.5	30 x 0.25	0.7	3.4	0.009	21	13.3
2.5	50 x 0.25	0.8	4.1	0.009	33	7.98

PVC insulated, PVC sheathed light cable, circular twin, 3-core, 4-core and 5-core, 300/500 V

Application:

- In dry, damp and wet locations, on premises and outdoors. For permanent installation above, on, in and under plaster. Not suitable for imbedding in concrete.

Standard:

- ISIRI (607)10
- IEC (60227)10
- BS 6004
- HD 21

Construction:

- Annealed solid or stranded copper conductor, class 1 & 2.
- PVC insulation, type C.
- Cores twisted together.
- Inner covering filling compound.
- PVC sheath type ST4.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.

PVC insulated, PVC sheathed light cable, circular twin, 3-core, 4-core and 5-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
2 x 1.5	1 x 1.38	0.7	1.2	8.7	0.011	116	12.1
2 x 1.5	7 x 0.52	0.7	1.2	9.0	0.010	120	12.1
2 x 2.5	1 x 1.78	0.8	1.2	9.9	0.010	158	7.41
2 x 2.5	7 x 0.67	0.8	1.2	10.4	0.009	165	7.41
2 x 4	1 x 1.25	0.8	1.2	10.9	0.0085	205	4.61
2 x 4	7 x 0.85	0.8	1.2	11.4	0.0077	211	4.61
2 x 6	1 x 2.76	0.8	1.2	11.9	0.0070	264	3.08
2 x 6	7 x 1.04	0.8	1.2	12.4	0.0065	280	3.08
2 x 10	1 x 3.57	1.0	1.4	14.6	0.0070	432	1.83
2 x 10	7 x 1.35	1.0	1.4	13.9	0.0065	471	1.83
2 x 16	7 x 1.70	1.0	1.4	17.6	0.0052	648	1.15
2 x 25	7 x 2.14	1.2	1.4	21.1	0.0050	984	0.727
2 x 35	7 x 2.52	1.2	1.6	23.8	0.0044	1308	0.524
3 x 1.5	1 x 1.38	0.7	1.2	9.1	0.011	134	12.1
3 x 1.5	7 x 0.52	0.7	1.2	9.5	0.010	139	12.1
3 x 2.5	1 x 1.78	0.8	1.2	11.5	0.010	187	7.41
3 x 2.5	7 x 0.67	0.8	1.2	10.8	0.009	198	7.41
3 x 4	1 x 2.25	0.8	1.2	11.4	0.0085	247	4.61
3 x 4	7 x 0.85	0.8	1.2	11.9	0.0077	261	4.61
3 x 6	1 x 2.76	0.8	1.4	13.4	0.0070	336	3.08
3 x 6	7 x 1.04	0.8	1.4	13.6	0.0065	360	3.08
3 x 10	1 x 3.57	1.0	1.4	15.6	0.0070	532	1.83
3 x 10	7 x 1.35	1.0	1.4	16.6	0.0065	575	1.83
3 x 16	7 x 1.70	1.0	1.4	18.6	0.0052	827	1.15
3 x 25	7 x 2.14	1.2	1.6	22.9	0.0050	1228	0.727
3 x 35	7 x 2.52	1.2	1.6	25.1	0.0044	1592	0.524
4 x 1.5	1 x 1.38	0.7	1.2	9.9	0.011	159	12.1
4 x 1.5	7 x 0.52	0.7	1.2	10.4	0.010	168	12.1
4 x 2.5	1 x 1.78	0.8	1.2	11.4	0.010	224	7.41
4 x 2.5	7 x 0.67	0.8	1.2	11.6	0.009	237	7.41
4 x 4	1 x 2.25	0.8	1.4	12.9	0.0085	312	4.61
4 x 4	7 x 0.85	0.8	1.4	13.4	0.0077	330	4.61
4 x 6	1 x 2.76	0.8	1.4	14.1	0.0070	426	3.08
4 x 6	7 x 1.04	0.8	1.4	14.9	0.0065	456	3.08
4 x 10	1 x 3.57	1.0	1.4	17.1	0.0070	654	1.83

PVC insulated, PVC sheathed light cable, circular twin, 3-core, 4-core and 5-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
4 x 10	7 x 1.35	1.0	1.4	18.1	0.0065	705	1.83
4 x 16	7 x 1.70	1.0	1.4	20.2	0.0052	1019	1.15
4 x 25	7 x 2.14	1.2	1.6	24.9	0.0050	1589	0.727
4 x 35	7 x 2.52	1.2	1.6	27.5	0.0044	2095	0.524
5 x 1.5	1 x 1.38	0.7	1.2	10.6	0.011	190	12.1
5 x 1.5	7 x 0.52	0.7	1.2	11.0	0.010	202	12.1
5 x 2.5	1 x 1.78	0.8	1.2	12.4	0.010	270	7.41
5 x 2.5	7 x 0.67	0.8	1.2	12.6	0.009	289	7.41
5 x 4	1 x 2.25	0.8	1.4	14.1	0.0085	391	4.61
5 x 4	7 x 0.85	0.8	1.4	14.9	0.0077	413	4.61
5 x 6	1 x 2.76	0.8	1.4	15.4	0.0070	514	3.08
5 x 6	7 x 1.04	0.8	1.4	16.4	0.0065	552	3.08
5 x 10	1 x 3.57	1.0	1.4	18.9	0.0070	797	1.83
5 x 10	7 x 1.35	1.0	1.4	19.6	0.0065	860	1.83
5 x 16	7 x 1.70	1.0	1.6	23.0	0.0052	1282	1.15
5 x 25	7 x 2.14	1.2	1.6	27.4	0.0050	1910	0.727
5 x 35	7 x 2.25	1.2	1.6	30.3	0.0044	2503	0.524

Creator of Links, Pioneer in Services

Light duty PVC insulated and sheathed flexible cord, parallel twin, circular twin, 3-core and 4-core, 300/300 V

Application:

- For industrial in domestic environment, offices and shops, for connecting of light portable apparatus with light mechanical stress (lamps, office machines, hair dryers , etc.). Not suitable for kitchen or heating equipments, external use, industrial or agricultural buildings, portable and non-domestic tools.
- Minimum bending radius: 6 times of maximum overall diameter.

Standard:

- ISIRI(607)52
- IEC(60227)52
- BS 6500
- HD21

Construction:

- Annealed stranded copper conductor, class 5
- PVC insulation, type D.
- Cores twisted together for circular cords or laid parallel for flat cords.
- PVC sheath type, ST5 .

General specification:

- Rated voltage: 300/300 V.
- Working temperature: Max. 70°C.
- Harmonized code designation:
  H03VV-F, H03VVH2-F.

Light duty PVC insulated and sheathed flexible cord, parallel twin, circular twin, 3-core and 4-core, 300/300 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall dimension	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
2 x 0.5	16 x 0.20	0.5	0.6	5.1 or 3.2 x 5.3	0.012	43 35	39.0
2 x 0.75	24 x 0.20	0.5	0.6	5.5 or 3.5 x 5.6	0.010	50 40	26.0
3 x 0.5	16 x 0.20	0.5	0.6	5.5	0.012	51	39.0
3 x 0.75	24 x 0.20	0.5	0.6	5.8	0.010	67	26.0
4 x 0.5	16 x 0.20	0.5	0.6	6.0	0.011	55	39.0
4 x 0.75	24 x 0.20	0.5	0.6	6.4	0.010	70	26.0

Ordinary duty PVC insulated and sheathed flexible cord, parallel twin, circular twin, 3-core, 4-core and 5-core, 300/500 V

Application:

- For all applications where cables undergo medium mechanical stress as in small and medium apparatus in domestic, commercial or light industrial environment (e.g. household appliances such as washing-machines, sewing-machines and fridges). The temporary or occasional use outdoors is allowed where vertical water-drop fall is likely. Not suitable for use in industrial or agricultural workshops, connection of portable and non-domestic tools.
- Minimum bending radius: 10 times of maximum overall diameter for mobile service and 4 times of maximum overall diameter for fixed installation.

Standard:

- ISIRI (607)53
- IEC (60227)53
- BS 6500
- HD 21

Construction:

- Annealed stranded copper conductor, class 5.
- PVC insulation, type D.
- Cores twisted together for circular cords or laid parallel for flat cords.
- PVC sheath type ST5.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.
- Harmonized code designation:
  H05VV-F, H05VVH2-F.

Ordinary duty PVC insulated and sheathed flexible cord, parallel twin, circular twin, 3-core, 4-core and 5-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall dimension	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
2 x 0.75	24 x 0.20	0.6	0.8	6.3 or 4.0 x 6.5	0.011	53 45	26.0
2 x 1	32 x 0.20	0.6	0.8	6.6	0.010	63	19.5
2 x 1.5	30 x 0.25	0.7	0.8	7.6	0.010	82	13.3
2 x 2.5	50 x 0.25	0.8	1.0	9.4	0.009	129	7.98
2 x 4	56 x 0.30	0.8	1.1	10.8	0.0078	187	4.95
3 x 0.75	24 x 0.20	0.6	0.8	6.7	0.011	67	26.0
3 x 1	32 x 0.20	0.6	0.8	7.0	0.010	75	19.5
3 x 1.5	30 x 0.25	0.7	0.9	8.3	0.010	105	13.3
3 x 2.5	56 x 0.25	0.8	1.1	10.2	0.009	164	7.98
3 x 4	56 x 0.30	0.8	1.2	10.7	0.0078	236	4.95
4 x 0.75	24 x 0.20	0.6	0.8	7.3	0.011	77	26.0
4 x 1	32 x 0.20	0.6	0.9	7.9	0.010	94	19.5
4 x 1.5	30 x 0.25	0.7	1.0	9.3	0.010	135	13.3
4 x 2.5	50 x 0.25	0.8	1.1	11.2	0.009	201	7.98
4 x 4	56 x 0.30	0.8	1.2	12.8	0.0078	296	4.95
5 x 0.75	24 x 0.20	0.6	0.9	8.2	0.011	96	26.0
5 x 1	32 x 0.20	0.6	0.9	8.7	0.010	112	19.5
5 x 1.5	30 x 0.25	0.7	1.1	10.3	0.010	165	13.3
5 x 2.5	56 x 0.25	0.8	1.2	12.4	0.009	245	7.98
5 x 4	56 x 0.30	0.8	1.4	14.4	0.0078	374	4.95

Light duty 90°C PVC insulated and sheathed flexible cord, parallel twin, circular twin, 3-core and 4-core, 300/300 V

Application:

- For installation in domestic environment, for domestic home appliances, lamps, office machines with light mechanical stress. Suitable for environments where higher temperature resistance is needed, if cable is not in direct contact with hot surfaces. Not for external use.
- Minimum bending radius: 6 times of maximum overall diameter.

Standard:

- ISIRI (607)56
- IEC (60227)56
- BS 6500
- HD 21

Construction:

- Annealed stranded copper conductor, class 5.
- PVC insulation, type E.
- Cores twisted together for circular cords or laid parallel for flat cords.
- PVC sheath type ST10.

General specification:

- Rated voltage: 300/300 V.
- Working temperature: Max. 90°C.
- Harmonized code designation:
  H03V2V2-F, H03V2V2H2-F.

Light duty 90°C PVC insulated and sheathed flexible cord, parallel twin, circular twin, 3-core and 4-core, 300/300 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall dimension	Insulation resistance at 90°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
2 x 0.5	16 x 0.20	0.5	0.6	5.2 or 3.4 x 5.4	0.012	35 27	39.0
2 x 0.75	24 x 0.20	0.5	0.6	5.5 or 3.4 x 5.7	0.010	43 33	26.0
3 x 0.5	16 x 0.20	0.5	0.6	5.5	0.012	40	39.0
3 x 0.75	24 x 0.20	0.5	0.6	5.7	0.010	51	26.0
4 x 0.5	16 x 0.20	0.5	0.6	6.0	0.012	56	39.0
4 x 0.75	24 x 0.20	0.5	0.6	6.5	0.010	63	26.0

Ordinary duty 90°C PVC insulated and sheathed flexible cord, parallel twin, circular twin, 3-core, 4-core and 5-core, 300/500 V

Application:

- For installation in domestic environment, kitchen, office and household appliances, also in humid conditions, as well as connection subject to medium mechanical stress (e.g. washing-machines, hair-dryers, fridges). Also, they can be used for kitchen or heating appliances, if cable is not in direct contact with hot surfaces nor exposed to thermal radiation. Not suitable for industrial or agricultural workshops and non-domestic apparatus. Suitable where heat resistance is required.
- Minimum bending radius: 10 times of maximum overall diameter for mobile service and 4 times of maximum overall diameter for fixed installation.

Standard:

- ISIRI (607)57
- IEC (60227)57
- BS 6500
- HD 21

Construction:

- Annealed stranded copper conductor, class 5.
- PVC insulation, type E.
- Cores twisted together for circular cords or laid parallel for flat cords.
- PVC sheath type ST10.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 90°C.
- Harmonized code designation:
  H05V2V2-F, H05V2V2H2-F.

Ordinary duty 90°C PVC insulated and sheathed flexible cord, parallel twin, circular twin, 3-core, 4-core and 5-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall dimension	Insulation resistance at 90°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
2 x 0.75	24 x 0.20	0.6	0.8	6.3 or 4.0 x 6.5	0.011	52 43	26.0
2 x 1	32 x 0.20	0.6	0.8	6.6	0.010	62	19.5
2 x 1.5	30 x 0.25	0.7	0.8	7.6	0.010	80	13.3
2 x 2.5	50 x 0.25	0.8	1.0	9.4	0.009	130	7.98
3 x 0.75	24 x 0.20	0.6	0.8	6.7	0.011	62	26.0
3 x 1	32 x 0.20	0.6	0.8	7.0	0.010	74	19.5
3 x 1.5	30 x 0.25	0.7	0.9	8.3	0.010	99	13.3
3 x 2.5	50 x 0.25	0.8	1.1	10.2	0.009	165	7.98
4 x 0.75	24 x 0.20	0.6	0.8	7.3	0.011	63	26.0
4 x 1	32 x 0.20	0.6	0.9	7.9	0.010	97	19.5
4 x 1.5	30 x 0.25	0.7	1.0	9.3	0.010	131	13.3
4 x 2.5	50 x 0.25	0.8	1.1	11.2	0.009	205	7.98
5 x 0.75	24 x 0.20	0.6	0.9	8.2	0.011	96	26.0
5 x 1	32 x 0.20	0.6	0.9	8.7	0.010	119	19.5
5 x 1.5	30 x 0.25	0.7	1.1	10.3	0.010	158	13.3
5 x 2.5	50 x 0.25	0.8	1.2	12.4	0.009	267	7.98

PVC insulated, non-sheathed cable, 450/750 V, single core for installation at low temperatures, 450/750 V

Application:

- In dry rooms, apparatus, switch and distribution boards, for fixed installation in conduits, over and under plaster and on insulated supports over plaster. Direct laying in plaster is not permitted.
- Minimum bending radius: 4 times of maximum overall diameter.

Standard:

- BS 6004
- HD 21

Construction:

- Annealed copper conductor, class 1, 2 & 5.
- PVC insulation, type TI 4.

General specification:

- Rated voltage: 450/750 V.
- Working temperature: Max. 70°C.
- Harmonized code designation:
  solid conductor: H07V3-U, stranded conductor: H07V3-R, flexible conductor: H07V3-K.

PVC insulated, non-sheathed cable, 450/750 V, single core for installation at low temperatures, 450/750 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	MΩ.km	kg/km	Ω/km
1.5	1 x 1.38	0.7	3.2	0.011	21	12.1
2.5	1 x 1.78	0.8	3.9	0.010	31	7.41
4	1 x 2.25	0.8	4.4	0.0087	48	4.61
6	1 x 2.76	0.8	5.0	0.0074	68	3.08
10	1 x 3.57	1.0	6.4	0.0072	112	1.83
1.5	7 x 0.52	0.7	3.3	0.010	21	12.1
2.5	7 x 0.67	0.8	4.0	0.0099	33	7.41
4	7 x 0.85	0.8	4.6	0.0082	51	4.61
6	7 x 1.04	0.8	5.2	0.0070	72	3.08
10	7 x 1.35	1.0	6.7	0.0067	118	1.83
16	7 x 1.70	1.0	7.8	0.0056	178	1.15
25	7 x 2.14	1.2	9.7	0.0053	279	0.727
35	7 x 2.52	1.2	10.9	0.0046	376	0.524
1.5	30 x 0.25	0.7	3.4	0.010	22	13.3
2.5	50 x 0.25	0.8	4.1	0.0095	34	7.98
4	56 x 0.30	0.8	4.8	0.0078	53	4.95
6	84 x 0.30	0.8	5.3	0.0068	74	3.30
10	80 x 0.40	1.0	6.8	0.0065	125	1.91
16	126 x 0.40	1.0	8.1	0.0053	194	1.21
25	196 x 0.40	1.2	10.2	0.0050	297	0.780
35	278 x 0.40	1.2	11.7	0.0043	397	0.554

PVC insulated, PVC sheathed, single core, flat twin and 3-core, 300/500 V

Application:

- Used in internal wiring for power and lighting.

Standard:

- BS 6004

Construction:

- Plain annealed copper conductor, class 1 & 2.
- PVC insulation, type TI 1.
- PVC sheath type 6.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.

PVC insulated, PVC sheathed, single core, flat twin and 3-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall dimension	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
1 x 1	1 x 1.13	0.6	0.8	4.0	0.011	16	18.1
1 x 1.5	1 x 1.38	0.7	0.8	4.4	0.011	20	12.1
1 x 2.5	1 x 1.78	0.8	0.8	5.2	0.010	25	7.41
1 x 4	7 x 0.85	0.8	0.9	5.9	0.0077	35	4.61
1 x 6	7 x 1.04	0.8	0.9	6.6	0.0065	39	3.08
1 x 10	7 x 1.35	1.0	0.9	7.9	0.0065	56	1.83
1 x 16	7 x 1.70	1.0	1.0	8.8	0.0052	71	1.15
1 x 25	7 x 2.14	1.2	1.1	11.1	0.0050	101	0.727
1 x 35	7 x 2.52	1.2	1.1	12.1	0.0044	118	0.524
2 x 1	1 x 1.13	0.6	0.9	4.2 x 6.6	0.011	54	18.1
2 x 1.5	1 x 1.38	0.7	0.9	4.8 x 7.6	0.011	71	12.1
2 x 2.5	1 x 1.78	0.8	1.0	5.5 x 9.0	0.010	106	7.41
2 x 4	7 x 0.85	0.8	1.0	6.2 x 10.3	0.0077	149	4.61
2 x 6	7 x 1.04	0.8	1.1	7.1 x 11.6	0.0065	202	3.08
2 x 10	7 x 1.35	1.0	1.2	8.6 x 14.4	0.0065	231	1.83
2 x 16	7 x 1.70	1.0	1.3	9.9 x 16.9	0.0052	464	1.15
3 x 1	1 x 1.13	0.6	0.9	4.2 x 9.0	0.011	75	18.1
3 x 1.5	1 x 1.38	0.7	0.9	4.8 x 10.5	0.011	101	12.1
3 x 2.5	1 x 1.78	0.8	1.0	5.6 x 12.4	0.010	151	7.41
3 x 4	7 x 0.85	0.8	1.1	6.4 x 14.9	0.0077	220	4.61
3 x 6	7 x 1.04	0.8	1.1	7.1 x 16.4	0.0065	292	3.08
3 x 10	7 x 1.35	1.0	1.2	8.6 x 20.4	0.0065	467	1.83
3 x 16	7 x 1.70	1.0	1.3	9.9 x 24.1	0.0052	678	1.15

PVC insulated, PVC sheathed cable, with circuit protective conductor, single core, flat twin and 3-core, 300/500 V

Application:

- Used in internal wiring for power and lighting.

Standard:

- BS 6004

Construction:

- Plain annealed copper conductor, class 1 & 2.
- PVC insulation, type TI 1.
- Parallel circuit protective bare conductor.
- PVC sheath type 6.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.

PVC insulated, PVC sheathed cable, with circuit protective conductor, single core, flat twin and 3-core, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall dimension	Circuit protective Nom.	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	mm^2	MΩ.km	kg/km	Ω/km
1 x 1	1 x 1.13	0.6	0.9	4.5 x 5.7	1	0.011	40	18.1
1 x 1.5	1 x 1.38	0.7	0.9	5.1 x 6.4	1	0.011	49	12.1
1 x 1.5	7 x 0.52	0.7	0.9	5.1 x 6.4	1*	0.011	48	12.1
2 x 1	1 x 1.13	0.6	0.9	4.3 x 7.9	1	0.011	68	18.1
2 x 1.5	1 x 1.38	0.7	0.9	4.9 x 8.9	1	0.011	86	12.1
2 x 1.5	7 x 0.52	0.7	0.9	5.0 x 8.0	---	0.011	80	12.1
2 x 1.5	7 x 0.52	0.7	0.9	5.0 x 9.4	1*	0.011	88	12.1
2 x 2.5	1 x 1.78	0.8	1.0	5.6 x 10.5	1.5	0.010	128	7.41
2 x 2.5	7 x 0.67	0.8	1.0	5.8 x 9.4	---	0.010	112	7.41
2 x 2.5	7 x 0.67	0.8	1.0	5.6 x 10.8	1.5*	0.010	128	7.41
2 x 4	7 x 0.85	0.8	1.0	6.3 x 11.7	1.5	0.0077	172	4.61
2 x 6	7 x 1.04	0.8	1.1	7.1 x 13.7	2.5	0.0065	238	3.08
2 x 10	7 x 1.35	1.0	1.2	8.6 x 17.2	4	0.0065	380	1.83
2 x 16	7 x 1.70	1.0	1.3	10.0 x 20.1	6	0.0052	550	1.15
3 x 1	1 x 1.13	0.6	0.9	4.4 x 10.3	1	0.011	90	18.1
3 x 1.5	1 x 1.38	0.7	0.9	4.9 x 11.4	1	0.011	116	12.1
3 x 2.5	1 x 1.78	0.8	1.0	5.6 x 13.4	1	0.010	173	7.41
3 x 4	7 x 0.85	0.8	1.1	6.5 x 16.2	1.5	0.0077	244	4.61
3 x 6	7 x 1.04	0.8	1.1	7.2 x 18.2	2.5	0.0065	328	3.08
3 x 10	7 x 1.35	1.0	1.2	8.6 x 22.2	4	0.0065	526	1.83
3 x 16	7 x 1.70	1.0	1.3	10.0 x 27.0	6	0.0052	764	1.15

*: Class 2 conductor

PVC insulated, PVC sheathed, extra flexible flat cable, up to 450/750 V

Application:

- Used mainly as trailing cable for crane and conveyer system, floor conveyer system, moving machine parts, lift and hoist installation and shelf control unit.
- Minimum bending radius: 10 times of thickness of cable.
- Resistant to oil

Standard:

- ISIRI (607)71f
- IEC (60227)71f
- BS EN 50214

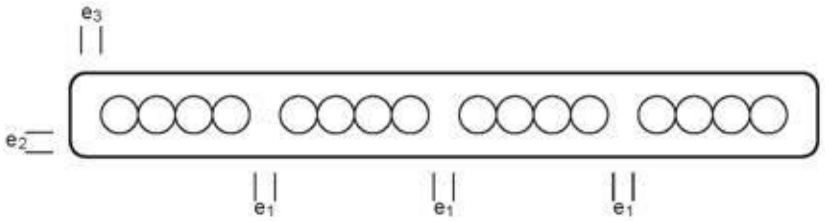
Construction:

- Annealed stranded copper conductor, class 5.
- PVC insulation, type D.
- Cores laid parallel.
- PVC sheath type, ST5.

General specification:

- Working temperature: Max. 70°C.
- Harmonized code designation:
  H05VVH6-F (300/500 V), H07VVH6-F (450/750 V).

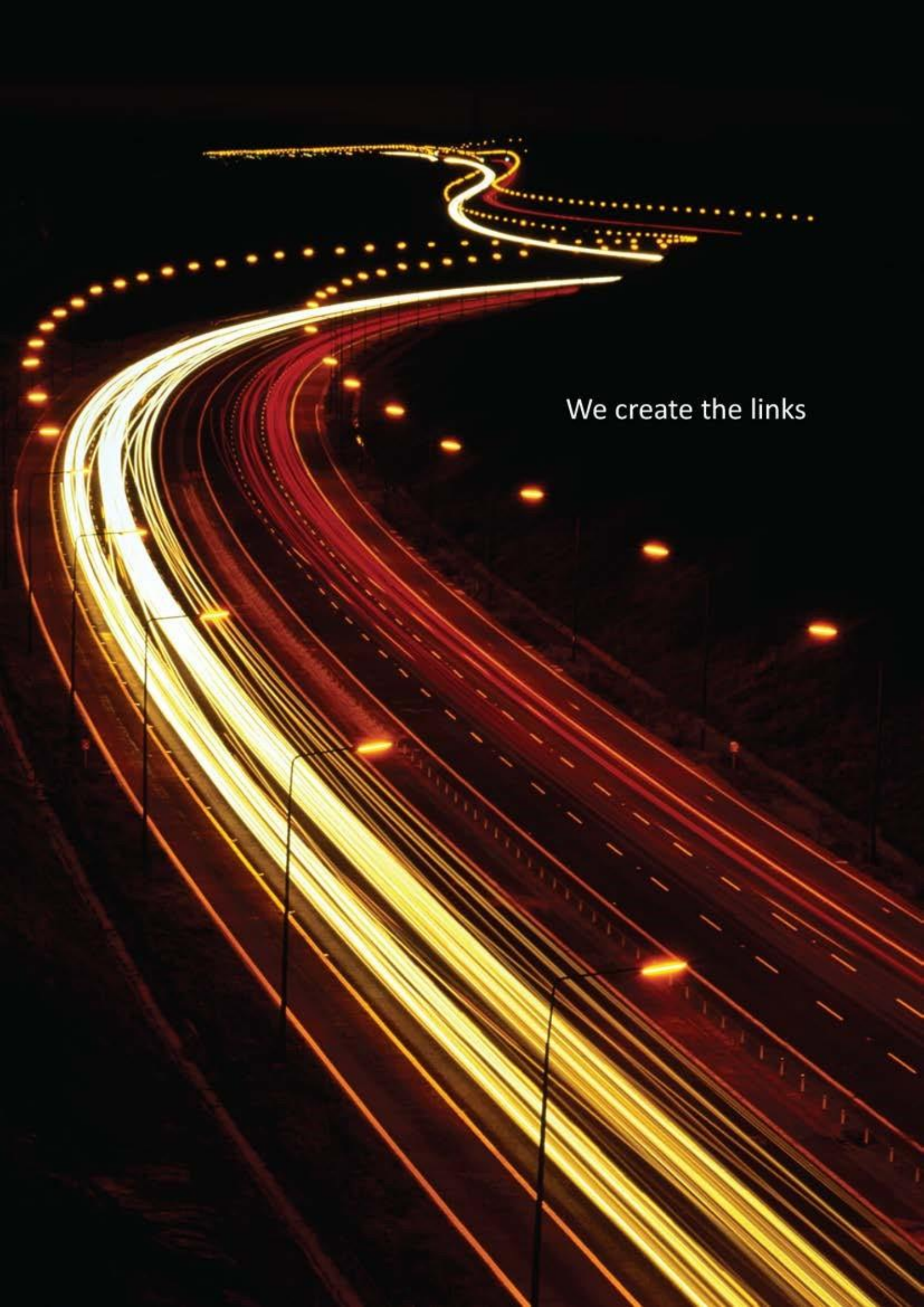
PVC insulated, PVC sheathed, extra flexible flat cable, up to 450/750 V



Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Thickness of sheath and clearance			Overall dimension	Weight Approx.	Conductor resistance at 20°C Max.
			e_1	e_2	e_3			
mm^2	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
3 x 0.75	24 x 0.20	0.6	-	0.9	1.5	10.3 x 4.2	83	26.0
4 x 0.75	24 x 0.20	0.6	-	0.9	1.5	13.4 x 4.2	111	26.0
5 x 0.75	24 x 0.20	0.6	1	0.9	1.5	17.0 x 4.2	133	26.0
6 x 0.75	24 x 0.20	0.6	1	0.9	1.5	18.3 x 4.2	150	26.0
9 x 0.75	24 x 0.20	0.6	1	0.9	1.5	26.5 x 4.2	222	26.0
12 x 0.75	24 x 0.20	0.6	1	0.9	1.5	33.8 x 4.2	282	26.0
16 x 0.75	24 x 0.20	0.6	1	0.9	1.5	44.2 x 4.2	368	26.0
18 x 0.75	24 x 0.20	0.6	1	0.9	1.5	49.0 x 4.2	415	26.0
20 x 0.75	24 x 0.20	0.6	1	0.9	1.5	55.0 x 4.2	451	26.0
24 x 0.75	24 x 0.20	0.6	1	0.9	1.5	65.6 x 4.2	540	26.0
3 x 1	32 x 0.20	0.6	-	0.9	1.5	10.5 x 4.4	91	19.5
4 x 1	32 x 0.20	0.6	-	0.9	1.5	14.0 x 4.4	124	19.5
5 x 1	32 x 0.20	0.6	1	0.9	1.5	17.5 x 4.4	156	19.5
6 x 1	32 x 0.20	0.6	1	0.9	1.5	19.0 x 4.4	168	19.5
9 x 1	32 x 0.20	0.6	1	0.9	1.5	27.5 x 4.4	245	19.5
12 x 1	32 x 0.20	0.6	1	0.9	1.5	35.0 x 4.4	325	19.5
16 x 1	32 x 0.20	0.6	1	0.9	1.5	46.4 x 4.4	425	19.5
18 x 1	32 x 0.20	0.6	1	0.9	1.5	50.8 x 4.4	470	19.5
20 x 1	32 x 0.20	0.6	1	0.9	1.5	57.2 x 4.4	525	19.5
24 x 1	32 x 0.20	0.6	1	0.9	1.5	68.4 x 4.4	605	19.5
3 x 1.5	30 x 0.25	0.7	-	1	1.5	12.0 x 5.1	122	13.3
4 x 1.5	30 x 0.25	0.7	-	1	1.5	14.8 x 5.1	149	13.3
5 x 1.5	30 x 0.25	0.7	1	1	1.5	17.7 x 5.1	196	13.3
6 x 1.5	30 x 0.25	0.7	1	1	1.5	21.8 x 5.1	225	13.3

PVC insulated, PVC sheathed, extra flexible flat cable, up to 450/750 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Thickness of sheath and clearance			Overall dimension	Weight Approx.	Conductor resistance at 20°C Max.
			e_1	e_2	e_3			
mm^2	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
9 x 1.5	30 x 0.25	0.7	1	1	1.5	32.2 x 5.1	316	13.3
12 x 1.5	30 x 0.25	0.7	1	1	1.5	40.5 x 5.1	444	13.3
16 x 1.5	30 x 0.25	0.7	1	1	1.5	54.3 x 5.1	560	13.3
18 x 1.5	30 x 0.25	0.7	1	1	1.5	60.6 x 5.1	630	13.3
20 x 1.5	30 x 0.25	0.7	1	1	1.5	67.2 x 5.1	695	13.3
3 x 2.5	50 x 0.25	0.8	-	1	1.8	14.4 x 5.8	171	7.98
4 x 2.5	50 x 0.25	0.8	-	1	1.8	18.0 x 5.8	222	7.98
5 x 2.5	50 x 0.25	0.8	1.5	1	1.8	24.5 x 5.8	295	7.98
6 x 2.5	50 x 0.25	0.8	1.5	1	1.8	26.7 x 5.8	325	7.98
9 x 2.5	50 x 0.25	0.8	1.5	1	1.8	39.5 x 5.8	456	7.98
12 x 2.5	50 x 0.25	0.8	1.5	1	1.8	49.5 x 5.8	625	7.98
16 x 2.5	50 x 0.25	0.8	1.5	1	1.8	66.2 x 5.8	834	7.98
3 x 4	56 x 0.30	0.8	-	1.2	1.8	16.4 x 6.8	245	4.95
4 x 4	56 x 0.30	0.8	-	1.2	1.8	20.4 x 6.8	310	4.95
5 x 4	56 x 0.30	0.8	1.5	1.2	1.8	26.6 x 6.8	405	4.95
3 x 6	84 x 0.30	0.8	-	1.2	1.8	18.2 x 7.6	322	3.30
4 x 6	84 x 0.30	0.8	-	1.2	1.8	22.4 x 7.6	416	3.30
5 x 6	84 x 0.30	0.8	1.5	1.2	1.8	31.0 x 7.6	540	3.30
3 x 10	80 x 0.40	1.0	-	1.4	1.8	22.2 x 9.0	516	1.91
4 x 10	80 x 0.40	1.0	-	1.4	1.8	28.6 x 9.0	662	1.91
5 x 10	80 x 0.40	1.0	1.5	1.4	1.8	37.5 x 9.0	760	1.91
3 x 16	126 x 0.40	1.0	-	1.5	2.0	25.4 x 10.6	718	1.21
4 x 16	126 x 0.40	1.0	-	1.5	2.0	33.8 x 10.6	952	1.21
5 x 16	126 x 0.40	1.0	1.5	1.5	2.0	42.8 x 10.6	1265	1.21
3 x 25	196 x 0.40	1.2	-	1.6	2.0	33.6 x 12.9	1125	0.780
4 x 25	196 x 0.40	1.2	-	1.6	2.0	42.0 x 12.9	1470	0.780
5 x 25	196 x 0.40	1.2	-	1.6	2.0	52.2 x 12.9	1880	0.780


We create the links

PVC insulated, PVC sheathed, flexible control cable, 300/500 V

Application:

- For interconnection of machine parts and for direct connection to the mains.

Standard:

- ISIRI (607)75
- IEC (60227)75
- DIN VDE 0245

Construction:

- Plain annealed copper conductor, class 5.
- PVC insulation, type D.
- Cores twisted together, if necessary in several concentric layers.
- Polyester tape if necessary.
- PVC sheath type ST9.

General specification:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.
- Resistant to oil.
- Code designation: NYSLY-JZ/-OZ.

PVC insulated, PVC sheathed, flexible control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
2 x 0.5	16 x 0.20	0.6	0.7	6.0	50
3 x 0.5	16 x 0.20	0.6	0.7	6.3	60
4 x 0.5	16 x 0.20	0.6	0.8	7.0	73
5 x 0.5	16 x 0.20	0.6	0.8	7.7	84
6 x 0.5	16 x 0.20	0.6	0.9	8.5	102
7 x 0.5	16 x 0.20	0.6	0.9	9.5	116
8 x 0.5	16 x 0.20	0.6	1.0	10.5	148
10 x 0.5	16 x 0.20	0.6	1.0	11.0	162
12 x 0.5	16 x 0.20	0.6	1.1	11.5	188
14 x 0.5	16 x 0.20	0.6	1.1	12.0	210
16 x 0.5	16 x 0.20	0.6	1.2	12.8	240
20 x 0.5	16 x 0.20	0.6	1.2	14.5	292
24 x 0.5	16 x 0.20	0.6	1.4	16.1	355
27 x 0.5	16 x 0.20	0.6	1.4	16.5	382
30 x 0.5	16 x 0.20	0.6	1.4	17.0	420
34 x 0.5	16 x 0.20	0.6	1.5	18.0	462
37 x 0.5	16 x 0.20	0.6	1.5	18.5	495
40 x 0.5	16 x 0.20	0.6	1.6	19.8	510
50 x 0.5	16 x 0.20	0.6	1.7	21.5	640
61 x 0.5	16 x 0.20	0.6	1.8	23.0	746
2 x 0.75	24 x 0.20	0.6	0.8	6.6	62
3 x 0.75	24 x 0.20	0.6	0.8	7.0	72
4 x 0.75	24 x 0.20	0.6	0.8	7.6	88
5 x 0.75	24 x 0.20	0.6	0.9	8.5	106
6 x 0.75	24 x 0.20	0.6	0.9	9.2	122
7 x 0.75	24 x 0.20	0.6	1.0	10.4	146
8 x 0.75	24 x 0.20	0.6	1.1	11.4	184
10 x 0.75	24 x 0.20	0.6	1.1	11.8	202
12 x 0.75	24 x 0.20	0.6	1.1	12.2	228
14 x 0.75	24 x 0.20	0.6	1.2	13.0	265
16 x 0.75	24 x 0.20	0.6	1.2	13.6	295
20 x 0.75	24 x 0.20	0.6	1.4	15.5	345
24 x 0.75	24 x 0.20	0.6	1.5	17.5	444
27 x 0.75	24 x 0.20	0.6	1.5	18.0	490
30 x 0.75	24 x 0.20	0.6	1.5	18.5	530

PVC insulated, PVC sheathed, flexible control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
34 x 0.75	24 x 0.20	0.6	1.6	19.2	605
37 x 0.75	24 x 0.20	0.6	1.6	19.6	620
40 x 0.75	24 x 0.20	0.6	1.7	20.5	650
50 x 0.75	24 x 0.20	0.6	1.8	23.2	804
61 x 0.75	24 x 0.20	0.6	2.0	25.0	970
2 x 1	32 x 0.20	0.6	0.8	6.8	72
3 x 1	32 x 0.20	0.6	0.8	7.2	86
4 x 1	32 x 0.20	0.6	0.8	8.0	102
5 x 1	32 x 0.20	0.6	0.9	8.8	126
6 x 1	32 x 0.20	0.6	1.0	9.8	150
7 x 1	32 x 0.20	0.6	1.0	11.0	174
8 x 1	32 x 0.20	0.6	1.1	12.0	210
10 x 1	32 x 0.20	0.6	1.2	12.6	240
12 x 1	32 x 0.20	0.6	1.2	13.2	280
14 x 1	32 x 0.20	0.6	1.2	13.8	312
16 x 1	32 x 0.20	0.6	1.2	14.6	360
20 x 1	32 x 0.20	0.6	1.4	16.5	384
24 x 1	32 x 0.20	0.6	1.5	18.6	530
27 x 1	32 x 0.20	0.6	1.5	19.0	580
30 x 1	32 x 0.20	0.6	1.6	19.6	640
34 x 1	32 x 0.20	0.6	1.7	21.1	710
37 x 1	32 x 0.20	0.6	1.7	21.6	760
40 x 1	32 x 0.20	0.6	1.8	22.4	788
50 x 1	32 x 0.20	0.6	1.9	25.0	980
61 x 1	32 x 0.20	0.6	2.1	26.8	1150
2 x 1.5	30 x 0.25	0.6	0.8	7.2	84
3 x 1.5	30 x 0.25	0.6	0.8	7.7	104
4 x 1.5	30 x 0.25	0.6	1.0	8.8	135
5 x 1.5	30 x 0.25	0.6	1.0	9.6	164
6 x 1.5	30 x 0.25	0.6	1.0	10.4	198
7 x 1.5	30 x 0.25	0.6	1.2	10.8	215
8 x 1.5	30 x 0.25	0.6	1.2	13.0	285
10 x 1.5	30 x 0.25	0.6	1.2	13.6	300
12 x 1.5	30 x 0.25	0.6	1.2	14.0	345
14 x 1.5	30 x 0.25	0.6	1.4	15.2	385

PVC insulated, PVC sheathed, flexible control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
16 x 1.5	30 x 0.25	0.6	1.5	16.2	470
20 x 1.5	30 x 0.25	0.6	1.6	18.6	605
24 x 1.5	30 x 0.25	0.6	1.8	20.5	695
27 x 1.5	30 x 0.25	0.6	1.8	21.0	760
30 x 1.5	30 x 0.25	0.6	1.8	21.6	835
34 x 1.5	30 x 0.25	0.6	1.8	23.2	970
37 x 1.5	30 x 0.25	0.6	2.0	23.2	1020
40 x 1.5	30 x 0.25	0.6	2.0	25.0	1105
50 x 1.5	30 x 0.25	0.6	2.1	27.8	1380
61 x 1.5	30 x 0.25	0.6	2.1	29.5	1620
2 x 2.5	50 x 0.25	0.7	0.9	8.8	127
3 x 2.5	50 x 0.25	0.7	1.0	9.6	162
4 x 2.5	50 x 0.25	0.7	1.2	10.9	210
5 x 2.5	50 x 0.25	0.7	1.2	11.9	260
6 x 2.5	50 x 0.25	0.7	1.2	13.0	305
7 x 2.5	50 x 0.25	0.7	1.2	13.0	320
8 x 2.5	50 x 0.25	0.7	1.4	16.1	420
10 x 2.5	50 x 0.25	0.7	1.5	17.0	470
12 x 2.5	50 x 0.25	0.7	1.5	17.6	545
14 x 2.5	50 x 0.25	0.7	1.6	18.8	615
16 x 2.5	50 x 0.25	0.7	1.7	20.0	720
20 x 2.5	50 x 0.25	0.7	1.8	23.0	910
24 x 2.5	50 x 0.25	0.7	2.0	25.0	1090
27 x 2.5	50 x 0.25	0.7	2.1	25.8	1140
30 x 2.5	50 x 0.25	0.7	2.1	26.8	1250
34 x 2.5	50 x 0.25	0.7	2.1	28.8	1520
37 x 2.5	50 x 0.25	0.7	2.3	28.8	1590
40 x 2.5	50 x 0.25	0.7	2.3	31.0	1770
50 x 2.5	50 x 0.25	0.7	2.4	34.4	2140
61 x 2.5	50 x 0.25	0.7	2.7	37.0	2560

PVC insulated, PVC sheathed, flexible screened control cable, 300/500 V

Application:

- For electrical connection of production machines and machine tools if a certain amount of electronic screening is required. Shows some resistance to all purpose mineral oil.

Standard:

- ISIRI 607
- IEC 60227
- HD 21
- VDE 0250

Construction:

- Plain annealed copper conductor, class 5.
- PVC insulation, type D.
- Cores twisted together, if necessary in several concentric layers.
- Polyester tape if necessary.
- Plain or tinned annealed copper braid.
- PVC sheath type ST9.

General Specifications:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.
- Resistant to oil.
- Code designation: YSLCY-JZ/-OZ.

PVC insulated, PVC sheathed, flexible screened control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Screen wire diameter Nom.	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
2 x 0.5	16 x 0.20	0.6	0.16	0.8	6.6	64
3 x 0.5	16 x 0.20	0.6	0.16	0.8	6.8	75
4 x 0.5	16 x 0.20	0.6	0.16	0.8	7.4	95
5 x 0.5	16 x 0.20	0.6	0.16	0.8	8.0	115
6 x 0.5	16 x 0.20	0.6	0.16	1.0	9.2	125
7 x 0.5	16 x 0.20	0.6	0.16	1.0	9.2	135
8 x 0.5	16 x 0.20	0.6	0.16	1.0	10.6	150
10 x 0.5	16 x 0.20	0.6	0.21	1.2	11.8	180
12 x 0.5	16 x 0.20	0.6	0.21	1.2	12.4	205
14 x 0.5	16 x 0.20	0.6	0.21	1.2	13.0	230
16 x 0.5	16 x 0.20	0.6	0.21	1.2	13.6	270
20 x 0.5	16 x 0.20	0.6	0.21	1.5	16.0	340
24 x 0.5	16 x 0.20	0.6	0.21	1.5	17.0	400
27 x 0.5	16 x 0.20	0.6	0.21	1.6	17.6	420
30 x 0.5	16 x 0.20	0.6	0.21	1.6	18.2	455
34 x 0.5	16 x 0.20	0.6	0.21	1.8	20.0	520
37 x 0.5	16 x 0.20	0.6	0.21	1.8	20.4	535
40 x 0.5	16 x 0.20	0.6	0.26	1.8	21.2	580
50 x 0.5	16 x 0.20	0.6	0.26	1.8	23.4	740
61 x 0.5	16 x 0.20	0.6	0.26	1.8	24.6	880
2 x 0.75	24 x 0.20	0.6	0.16	0.8	6.8	82
3 x 0.75	24 x 0.20	0.6	0.16	0.8	7.2	94
4 x 0.75	24 x 0.20	0.6	0.16	0.8	7.8	114
5 x 0.75	24 x 0.20	0.6	0.16	1.0	8.8	130
6 x 0.75	24 x 0.20	0.6	0.16	1.0	9.6	154
7 x 0.75	24 x 0.20	0.6	0.16	1.0	9.6	155
8 x 0.75	24 x 0.20	0.6	0.16	1.0	11.2	180
10 x 0.75	24 x 0.20	0.6	0.21	1.2	12.4	230
12 x 0.75	24 x 0.20	0.6	0.21	1.2	12.8	260
14 x 0.75	24 x 0.20	0.6	0.21	1.2	13.4	305
16 x 0.75	24 x 0.20	0.6	0.21	1.2	14.0	340
20 x 0.75	24 x 0.20	0.6	0.21	1.5	16.5	420
24 x 0.75	24 x 0.20	0.6	0.21	1.5	17.8	485
27 x 0.75	24 x 0.20	0.6	0.21	1.8	18.0	520
30 x 0.75	24 x 0.20	0.6	0.21	1.8	19.2	570

PVC insulated, PVC sheathed, flexible screened control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Screen wire diameter Nom.	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
34 x 0.75	24 x 0.20	0.6	0.21	1.8	20.8	640
37 x 0.75	24 x 0.20	0.6	0.21	1.8	21.0	670
40 x 0.75	24 x 0.20	0.6	0.26	1.8	22.0	730
50 x 0.75	24 x 0.20	0.6	0.26	1.8	24.0	920
61 x 0.75	24 x 0.20	0.6	0.26	2.1	26.0	1100
2 x 1	32 x 0.20	0.6	0.16	0.8	7.2	85
3 x 1	32 x 0.20	0.6	0.16	0.8	7.6	105
4 x 1	32 x 0.20	0.6	0.16	0.8	8.4	125
5 x 1	32 x 0.20	0.6	0.16	1.0	9.4	150
6 x 1	32 x 0.20	0.6	0.16	1.0	10.2	170
7 x 1	32 x 0.20	0.6	0.16	1.0	10.2	180
8 x 1	32 x 0.20	0.6	0.16	1.0	12.2	210
10 x 1	32 x 0.20	0.6	0.21	1.2	13.2	276
12 x 1	32 x 0.20	0.6	0.21	1.2	13.8	310
14 x 1	32 x 0.20	0.6	0.21	1.2	14.4	340
16 x 1	32 x 0.20	0.6	0.21	1.5	15.8	400
20 x 1	32 x 0.20	0.6	0.21	1.5	17.8	480
24 x 1	32 x 0.20	0.6	0.21	1.8	19.8	560
27 x 1	32 x 0.20	0.6	0.21	1.8	20.0	600
30 x 1	32 x 0.20	0.6	0.21	1.8	20.6	660
34 x 1	32 x 0.20	0.6	0.21	1.8	22.2	780
37 x 1	32 x 0.20	0.6	0.26	1.8	22.5	820
40 x 1	32 x 0.20	0.6	0.26	2.1	24.2	880
50 x 1	32 x 0.20	0.6	0.26	2.1	26.4	1100
61 x 1	32 x 0.20	0.6	0.26	2.2	28.2	1300
2 x 1.5	30 x 0.25	0.6	0.16	0.8	8.0	112
3 x 1.5	30 x 0.25	0.6	0.16	0.8	8.5	135
4 x 1.5	30 x 0.25	0.6	0.16	1.0	9.6	165
5 x 1.5	30 x 0.25	0.6	0.16	1.0	10.2	200
6 x 1.5	30 x 0.25	0.6	0.16	1.2	11.6	240
7 x 1.5	30 x 0.25	0.6	0.16	1.2	11.8	250
8 x 1.5	30 x 0.25	0.6	0.16	1.2	13.8	280
10 x 1.5	30 x 0.25	0.6	0.21	1.2	14.6	360
12 x 1.5	30 x 0.25	0.6	0.21	1.2	15.2	410
14 x 1.5	30 x 0.25	0.6	0.21	1.5	16.4	480

PVC insulated, PVC sheathed, flexible screened control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Screen wire diameter Nom.	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
16 x 1.5	30 x 0.25	0.6	0.21	1.5	17.2	530
20 x 1.5	30 x 0.25	0.6	0.21	1.8	20.0	650
24 x 1.5	30 x 0.25	0.6	0.21	1.8	21.4	770
27 x 1.5	30 x 0.25	0.6	0.21	1.8	21.6	860
30 x 1.5	30 x 0.25	0.6	0.21	1.8	22.4	950
34 x 1.5	30 x 0.25	0.6	0.26	1.8	24.4	1120
37 x 1.5	30 x 0.25	0.6	0.26	1.8	24.6	1150
40 x 1.5	30 x 0.25	0.6	0.26	2.0	26.2	1250
50 x 1.5	30 x 0.25	0.6	0.26	2.1	29.0	1580
61 x 1.5	30 x 0.25	0.6	0.26	2.1	30.8	1780
2 x 2.5	50 x 0.25	0.7	0.16	1.0	9.4	150
3 x 2.5	50 x 0.25	0.7	0.16	1.0	10.2	185
4 x 2.5	50 x 0.25	0.7	0.16	1.2	11.4	240
5 x 2.5	50 x 0.25	0.7	0.21	1.2	12.6	290
6 x 2.5	50 x 0.25	0.7	0.21	1.2	13.4	370
7 x 2.5	50 x 0.25	0.7	0.21	1.2	13.4	380
8 x 2.5	50 x 0.25	0.7	0.21	1.5	17.0	440
10 x 2.5	50 x 0.25	0.7	0.21	1.5	17.8	555
12 x 2.5	50 x 0.25	0.7	0.21	1.5	18.1	630
14 x 2.5	50 x 0.25	0.7	0.21	1.6	19.4	710
16 x 2.5	50 x 0.25	0.7	0.21	1.8	20.6	810
20 x 2.5	50 x 0.25	0.7	0.26	1.8	23.6	980
24 x 2.5	50 x 0.25	0.7	0.26	1.8	26.0	1180
27 x 2.5	50 x 0.25	0.7	0.26	2.1	26.4	1330
30 x 2.5	50 x 0.25	0.7	0.26	2.1	27.2	1460
34 x 2.5	50 x 0.25	0.7	0.26	2.1	29.4	1670
37 x 2.5	50 x 0.25	0.7	0.26	2.1	29.6	1720
40 x 2.5	50 x 0.25	0.7	0.31	2.3	31.5	1830
50 x 2.5	50 x 0.25	0.7	0.31	2.4	35.0	2320
61 x 2.5	50 x 0.25	0.7	0.31	2.7	37.5	2670

PVC insulated, inner sheath, PVC sheathed, flexible screened control cable, 300/500 V

Application:

- For electrical connection of production machines and machine tools if a certain amount of electronic screening is required. Shows some resistance to all purpose mineral oil.

Standard:

- ISIRI (607)74
- IEC (60227)74
- HD 21
- VDE 0245

Construction:

- Plain annealed copper conductor, class 5.
- PVC insulation, type D.
- Cores twisted together, if necessary in several concentric layers.
- PVC inner sheath type ST5.
- Plain or tinned annealed copper braid.
- PVC sheath type ST9.

General Specifications:

- Rated voltage: 300/500 V.
- Working temperature: Max. 70°C.
- Resistant to oil.
- Code designation: YSLYCY-JZ/-OZ.

PVC insulated, inner sheath, PVC sheathed, flexible screened control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Inner sheath thickness	Screen wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	mm	kg/km
2 x 0.5	16 x 0.2	0.6	0.6	0.16	1.0	8.2	102
3 x 0.5	16 x 0.2	0.6	0.6	0.16	1.0	8.4	114
4 x 0.5	16 x 0.2	0.6	0.7	0.16	1.0	9.2	132
5 x 0.5	16 x 0.2	0.6	0.7	0.16	1.2	10.2	156
6 x 0.5	16 x 0.2	0.6	0.7	0.16	1.2	11.0	170
7 x 0.5	16 x 0.2	0.6	0.7	0.16	1.2	11.0	180
8 x 0.5	16 x 0.2	0.6	0.8	0.16	1.2	12.6	210
10 x 0.5	16 x 0.2	0.6	0.8	0.21	1.2	13.4	250
12 x 0.5	16 x 0.2	0.6	0.8	0.21	1.2	14.0	280
14 x 0.5	16 x 0.2	0.6	0.8	0.21	1.4	15.0	315
16 x 0.5	16 x 0.2	0.6	1.0	0.21	1.5	16.2	360
20 x 0.5	16 x 0.2	0.6	1.0	0.21	1.6	18.2	420
24 x 0.5	16 x 0.2	0.6	1.0	0.21	1.8	19.6	500
27 x 0.5	16 x 0.2	0.6	1.0	0.21	1.8	20.0	535
30 x 0.5	16 x 0.2	0.6	1.0	0.21	1.8	20.6	580
34 x 0.5	16 x 0.2	0.6	1.0	0.21	1.8	22.0	670
37 x 0.5	16 x 0.2	0.6	1.2	0.21	2.0	22.4	680
40 x 0.5	16 x 0.2	0.6	1.2	0.26	2.0	24.0	725
50 x 0.5	16 x 0.2	0.6	1.2	0.26	2.1	26.2	910
61 x 0.5	16 x 0.2	0.6	1.2	0.26	2.1	27.6	1060
2 x 0.75	24 x 0.2	0.6	0.6	0.16	1.0	8.4	125
3 x 0.75	24 x 0.2	0.6	0.6	0.16	1.0	8.8	132
4 x 0.75	24 x 0.2	0.6	0.7	0.16	1.2	10.0	154
5 x 0.75	24 x 0.2	0.6	0.7	0.16	1.2	10.6	180
6 x 0.75	24 x 0.2	0.6	0.7	0.16	1.2	11.3	210
7 x 0.75	24 x 0.2	0.6	0.7	0.16	1.2	11.3	210
8 x 0.75	24 x 0.2	0.6	0.8	0.16	1.2	13.2	240
10 x 0.75	24 x 0.2	0.6	0.8	0.21	1.2	14.0	310
12 x 0.75	24 x 0.2	0.6	0.8	0.21	1.2	14.4	355
14 x 0.75	24 x 0.2	0.6	1.0	0.21	1.4	15.8	392
16 x 0.75	24 x 0.2	0.6	1.0	0.21	1.5	16.6	432
20 x 0.75	24 x 0.2	0.6	1.0	0.21	1.5	18.5	500
24 x 0.75	24 x 0.2	0.6	1.0	0.21	1.8	20.2	610
27 x 0.75	24 x 0.2	0.6	1.0	0.21	1.8	20.6	660
30 x 0.75	24 x 0.2	0.6	1.2	0.21	1.8	21.6	705

PVC insulated, inner sheath, PVC sheathed, flexible screened control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Inner sheath thickness	Screen wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	mm	kg/km
34 x 0.75	24 x 0.2	0.6	1.2	0.21	1.8	23.0	790
37 x 0.75	24 x 0.2	0.6	1.2	0.21	1.8	23.0	820
40 x 0.75	24 x 0.2	0.6	1.2	0.26	2.0	24.6	880
50 x 0.75	24 x 0.2	0.6	1.2	0.26	2.1	27.0	1120
61 x 0.75	24 x 0.2	0.6	1.4	0.26	2.1	28.8	1300
2 x 1	32 x 0.2	0.6	0.7	0.16	1.0	9.0	130
3 x 1	32 x 0.2	0.6	0.7	0.16	1.0	9.4	150
4 x 1	32 x 0.2	0.6	0.7	0.16	1.2	10.5	175
5 x 1	32 x 0.2	0.6	0.7	0.16	1.2	11.2	205
6 x 1	32 x 0.2	0.6	0.7	0.16	1.2	12.0	230
7 x 1	32 x 0.2	0.6	0.7	0.16	1.2	12.0	240
8 x 1	32 x 0.2	0.6	1.0	0.16	1.2	14.5	280
10 x 1	32 x 0.2	0.6	1.0	0.21	1.2	15.2	360
12 x 1	32 x 0.2	0.6	1.0	0.21	1.5	16.2	410
14 x 1	32 x 0.2	0.6	1.0	0.21	1.5	16.9	450
16 x 1	32 x 0.2	0.6	1.0	0.21	1.8	18.2	505
20 x 1	32 x 0.2	0.6	1.0	0.21	1.8	20.2	610
24 x 1	32 x 0.2	0.6	1.2	0.21	1.8	22.0	715
27 x 1	32 x 0.2	0.6	1.2	0.21	1.8	22.2	760
30 x 1	32 x 0.2	0.6	1.2	0.21	2.0	23.3	820
34 x 1	32 x 0.2	0.6	1.2	0.21	2.1	25.0	940
37 x 1	32 x 0.2	0.6	1.2	0.26	2.1	25.2	994
40 x 1	32 x 0.2	0.6	1.4	0.26	2.1	26.8	1060
50 x 1	32 x 0.2	0.6	1.4	0.26	2.1	29.0	1320
61 x 1	32 x 0.2	0.6	1.4	0.26	2.4	31.2	1530
2 x 1.5	30 x 0.25	0.6	0.7	0.16	1.2	10.0	170
3 x 1.5	30 x 0.25	0.6	0.7	0.16	1.2	10.5	194
4 x 1.5	30 x 0.25	0.6	0.7	0.16	1.2	11.2	230
5 x 1.5	30 x 0.25	0.6	0.7	0.16	1.2	12.0	280
6 x 1.5	30 x 0.25	0.6	0.8	0.16	1.2	13.0	328
7 x 1.5	30 x 0.25	0.6	0.8	0.16	1.2	13.0	340
8 x 1.5	30 x 0.25	0.6	0.8	0.16	1.2	15.2	376
10 x 1.5	30 x 0.25	0.6	1.0	0.21	1.5	17.0	480
12 x 1.5	30 x 0.25	0.6	1.0	0.21	1.5	17.5	520
14 x 1.5	30 x 0.25	0.6	1.0	0.21	1.5	18.2	616

PVC insulated, inner sheath, PVC sheathed, flexible screened control cable, 300/500 V

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Inner sheath thickness	Screen wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	mm	kg/km
16 x 1.5	30 x 0.25	0.6	1.0	0.21	1.8	19.6	690
20 x 1.5	30 x 0.25	0.6	1.2	0.21	1.8	22.2	850
24 x 1.5	30 x 0.25	0.6	1.2	0.21	2.1	24.2	980
27 x 1.5	30 x 0.25	0.6	1.2	0.21	2.1	24.6	1050
30 x 1.5	30 x 0.25	0.6	1.2	0.21	2.1	25.4	1145
34 x 1.5	30 x 0.25	0.6	1.2	0.26	2.1	27.2	1350
37 x 1.5	30 x 0.25	0.6	1.2	0.26	2.1	27.2	1390
40 x 1.5	30 x 0.25	0.6	1.4	0.26	2.3	29.4	1490
50 x 1.5	30 x 0.25	0.6	1.4	0.26	2.4	32.2	1810
61 x 1.5	30 x 0.25	0.6	1.4	0.26	2.4	34.0	2100
2 x 2.5	50 x 0.25	0.7	0.7	0.16	1.2	11.2	228
3 x 2.5	50 x 0.25	0.7	0.7	0.16	1.2	11.8	260
4 x 2.5	50 x 0.25	0.7	0.8	0.16	1.2	12.8	320
5 x 2.5	50 x 0.25	0.7	0.8	0.21	1.2	14.0	386
6 x 2.5	50 x 0.25	0.7	0.8	0.21	1.2	14.8	470
7 x 2.5	50 x 0.25	0.7	0.8	0.21	1.2	14.8	486
8 x 2.5	50 x 0.25	0.7	1.0	0.21	1.6	19.0	550
10 x 2.5	50 x 0.25	0.7	1.0	0.21	1.6	19.8	710
12 x 2.5	50 x 0.25	0.7	1.0	0.21	1.8	20.5	780
14 x 2.5	50 x 0.25	0.7	1.0	0.21	1.8	21.5	870
16 x 2.5	50 x 0.25	0.7	1.2	0.21	2.0	23.2	985
20 x 2.5	50 x 0.25	0.7	1.2	0.26	2.1	26.4	1130
24 x 2.5	50 x 0.25	0.7	1.4	0.26	2.1	28.5	1430
27 x 2.5	50 x 0.25	0.7	1.4	0.26	2.1	29.0	1570
30 x 2.5	50 x 0.25	0.7	1.4	0.26	2.2	30.0	1700
34 x 2.5	50 x 0.25	0.7	1.4	0.26	2.4	32.5	1950
37 x 2.5	50 x 0.25	0.7	1.4	0.26	2.4	32.5	2010
40 x 2.5	50 x 0.25	0.7	1.6	0.31	2.7	35.3	2140
50 x 2.5	50 x 0.25	0.7	1.6	0.31	2.7	38.5	2640
61 x 2.5	50 x 0.25	0.7	1.6	0.31	2.7	40.5	3030

PVC insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

CU / PVC / PVC

Application:

- For supplying energy electrical in open air, underground, water, indoors, cable ducts, power stations, etc., where mechanical damages are not to be expected.

Standard:

- VDE 0271
- IEC 60502-1
- ISIRI 3569-1

Construction:

- Plain annealed copper conductor, class 1 & 2 *.
- PVC insulation, type A.
- Cores twisted together.
- PVC inner covering applicable to cables 16mm^2 and above.
- PVC sheath, type ST1.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 70°C.
- Code designation: NYY.

*: Class 5 can be supplied upon request.

PVC insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
1 x 4 re	1 x 2.26	1.0	1.4	7.1	82
1 x 4 rm	7 x 0.85	1.0	1.4	7.4	86
1 x 6 re	1 x 2.78	1.0	1.4	7.6	108
1 x 6 rm	7 x 1.04	1.0	1.4	7.9	116
1 x 10 re	1 x 3.57	1.0	1.4	8.4	152
1 x 10 rm	7 x 1.35	1.0	1.4	8.9	162
1 x 16 rm	7 x 1.70	1.0	1.4	9.9	226
1 x 25 rm	7 x 2.14	1.2	1.4	11.6	337
1 x 35 rm	7 x 2.52	1.2	1.4	12.8	437
1 x 50 rm	19 x 1.78	1.4	1.4	14.5	577
1 x 70 rm	19 x 2.17	1.4	1.4	16.7	785
1 x 95 rm	19 x 2.52	1.6	1.5	18.9	1080
1 x 120 rm	37 x 2.03	1.6	1.5	20.6	1325
1 x 150 rm	37 x 2.25	1.8	1.6	22.8	1618
1 x 185 rm	37 x 2.52	2.0	1.7	25.2	2050
1 x 240 rm	37 x 2.88	2.2	1.8	28.5	2630

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
1 x 4	56 x 0.3	1.0	1.4	7.0	84
1 x 6	84 x 0.3	1.0	1.4	7.6	107
1 x 10	80 x 0.4	1.0	1.4	9.0	164
1 x 16	126 x 0.4	1.0	1.4	10.2	230
1 x 25	196 x 0.4	1.2	1.4	12.6	341
1 x 35	278 x 0.4	1.2	1.4	13.9	450
1 x 50	398 x 0.4	1.4	1.4	16.3	609
1 x 70	357 x 0.5	1.4	1.5	18.2	845
1 x 95	484 x 0.5	1.6	1.6	21.0	1111
1 x 120	612 x 0.5	1.6	1.7	23.0	1380
1 x 150	765 x 0.5	1.8	1.8	25.4	1712
1 x 185	943 x 0.5	2.0	1.9	28.3	2100
1 x 240	1224 x 0.5	2.2	2.0	31.8	2725

PVC insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
2 x 1.5 re	1 x 1.38	0.8	1.8	11.4	190
2 x 1.5 rm	7 x 0.53	0.8	1.8	12.0	196
2 x 2.5 re	1 x 1.78	0.8	1.8	12.4	230
2 x 2.5 rm	7 x 0.67	0.8	1.8	12.8	240
2 x 4 re	1 x 2.26	1.0	1.8	13.8	284
2 x 4 rm	7 x 0.85	1.0	1.8	14.6	300
2 x 6 re	1 x 2.78	1.0	1.8	14.8	380
2 x 6 rm	7 x 1.04	1.0	1.8	15.6	396
2 x 10 re	1 x 3.57	1.0	1.8	16.4	500
2 x 10 rm	7 x 1.35	1.0	1.8	17.5	520
2 x 16 rm	7 x 1.70	1.0	1.8	19.8	710
2 x 25 rm	7 x 2.14	1.2	1.8	23.2	1020
2 x 35 rm	7 x 2.52	1.2	1.8	25.2	1300
2 x 50 rm	19 x 1.78	1.4	1.8	29.0	1720
3 x 1.5 re	1 x 1.38	0.8	1.8	12.0	215
3 x 1.5 rm	7 x 0.53	0.8	1.8	12.4	220
3 x 2.5 re	1 x 1.78	0.8	1.8	13.0	265
3 x 2.5 rm	7 x 0.67	0.8	1.8	13.4	275
3 x 4 re	1 x 2.26	1.0	1.8	14.5	350
3 x 4 rm	7 x 0.85	1.0	1.8	15.4	370
3 x 6 re	1 x 2.78	1.0	1.8	15.6	440
3 x 6 rm	7 x 1.04	1.0	1.8	16.6	460
3 x 10 re	1 x 3.57	1.0	1.8	17.4	610
3 x 10 rm	7 x 1.35	1.0	1.8	18.6	630
3 x 16 rm	7 x 1.70	1.0	1.8	21.0	870
3 x 25 rm	7 x 2.14	1.2	1.8	24.6	1260
3 x 35 rm	7 x 2.52	1.2	1.8	27.0	1620
3 x 25 / 16 rm	7 x 2.14 7 x 1.70	1.2 1.0	1.8	26.2	1470
3 x 35 / 16 rm	7 x 2.52 7 x 1.70	1.2 1.0	1.8	28.0	1800
4 x 1.5 re	1 x 1.38	0.8	1.8	13.0	250
4 x 1.5 rm	7 x 0.53	0.8	1.8	13.4	260
4 x 2.5 re	1 x 1.78	0.8	1.8	14.0	310
4 x 2.5 rm	7 x 0.67	0.8	1.8	14.5	325
4 x 4 re	1 x 2.26	1.0	1.8	15.6	430
4 x 4 rm	7 x 0.85	1.0	1.8	16.6	448

PVC insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
4 x 6 re	1 x 2.78	1.0	1.8	16.8	540
4 x 6 rm	7 x 1.04	1.0	1.8	18.0	560
4 x 10 re	1 x 3.57	1.0	1.8	18.8	740
4 x 10 rm	7 x 1.35	1.0	1.8	20.3	760
4 x 16 rm	7 x 1.70	1.0	1.8	22.8	1060
4 x 25 rm	7 x 2.14	1.2	1.8	25.5	1580
4 x 35 rm	7 x 2.52	1.2	1.8	27.8	2060
5 x 1.5 re	1 x 1.38	0.8	1.8	13.7	280
5 x 1.5 rm	7 x 0.53	0.8	1.8	14.1	296
5 x 2.5 re	1 x 1.78	0.8	1.8	14.8	364
5 x 2.5 rm	7 x 0.67	0.8	1.8	15.3	378
5 x 4 re	1 x 2.26	1.0	1.8	17.2	492
5 x 4 rm	7 x 0.85	1.0	1.8	17.9	512
5 x 6 re	1 x 2.78	1.0	1.8	18.6	628
5 x 6 rm	7 x 1.04	1.0	1.8	19.4	644
5 x 10 re	1 x 3.57	1.0	1.8	20.7	892
5 x 10 rm	7 x 1.35	1.0	1.8	22.0	922
5 x 16 rm	7 x 1.70	1.0	1.8	24.8	1296
5 x 25 rm	7 x 2.14	1.2	1.9	29.5	1930

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
2 x 1.5	30 x 0.25	0.8	1.8	10.0	134
2 x 2.5	50 x 0.25	0.8	1.8	11.0	174
2 x 4	56 x 0.30	1.0	1.8	12.0	221
2 x 6	84 x 0.30	1.0	1.8	13.2	284
2 x 10	80 x 0.40	1.0	1.8	15.8	460
2 x 16	126 x 0.40	1.0	1.8	17.8	660
2 x 25	196 x 0.40	1.2	1.8	25.4	1150
2 x 35	278 x 0.40	1.2	1.8	28.0	1470
2 x 50	398 x 0.40	1.4	2.0	32.5	1990
3 x 1.5	30 x 0.25	0.8	1.8	10.5	132
3 x 2.5	50 x 0.25	0.8	1.8	11.5	204
3 x 4	56 x 0.30	1.0	1.8	12.7	270
3 x 6	84 x 0.30	1.0	1.8	14.0	360

PVC insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
3 x 10	80 x 0.40	1.0	1.8	16.8	540
3 x 16	126 x 0.40	1.0	1.8	19.0	756
3 x 25	196 x 0.40	1.2	1.8	26.0	1350
3 x 35	278 x 0.40	1.2	1.9	30.0	1790
3 x 25 / 16	196 x 0.40 126 x 0.40	1.2 1.0	1.9	28.0	1520
3 x 35 / 16	278 x 0.40 126 x 0.40	1.2 1.0	2.0	31.0	1940
4 x 1.5	30 x 0.25	0.8	1.8	11.3	185
4 x 2.5	50 x 0.25	0.8	1.8	12.4	246
4 x 4	56 x 0.30	1.0	1.8	13.8	325
4 x 6	84 x 0.30	1.0	1.8	15.2	425
4 x 10	80 x 0.40	1.0	1.8	18.4	670
4 x 16	126 x 0.40	1.0	1.8	20.8	950
4 x 25	196 x 0.40	1.2	1.9	29.0	1670
4 x 35	278 x 0.40	1.2	2.0	32.6	2220
5 x 1.5	30 x 0.25	0.8	1.8	12.3	226
5 x 2.5	50 x 0.25	0.8	1.8	13.5	300
5 x 4	56 x 0.30	1.0	1.8	15.0	434
5 x 6	84 x 0.30	1.0	1.8	16.6	564
5 x 10	80 x 0.40	1.0	1.8	20.4	845
5 x 16	126 x 0.40	1.0	1.8	23.6	1190
5 x 25	196 x 0.40	1.2	1.9	32.4	2110
5 x 35	278 x 0.40	1.2	2.2	36.2	2710

PVC insulated, PVC sheathed, multi core control cable, 0.6/1 kV

CU / PVC / PVC

Application:

- For industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected, in underground, in water, indoors and in cable ducts.

Standard:

- VDE 0271
- IEC 60502-1
- ISIRI 3569-1

Construction:

- Plain annealed copper conductor, class 1 or 2*.
- PVC insulation, type A.
- Cores twisted together, if necessary in concentric layers.
- PVC inner covering.
- PVC sheath, type ST1.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 70°C.
- Code designation: NYY-JZ/-OZ.

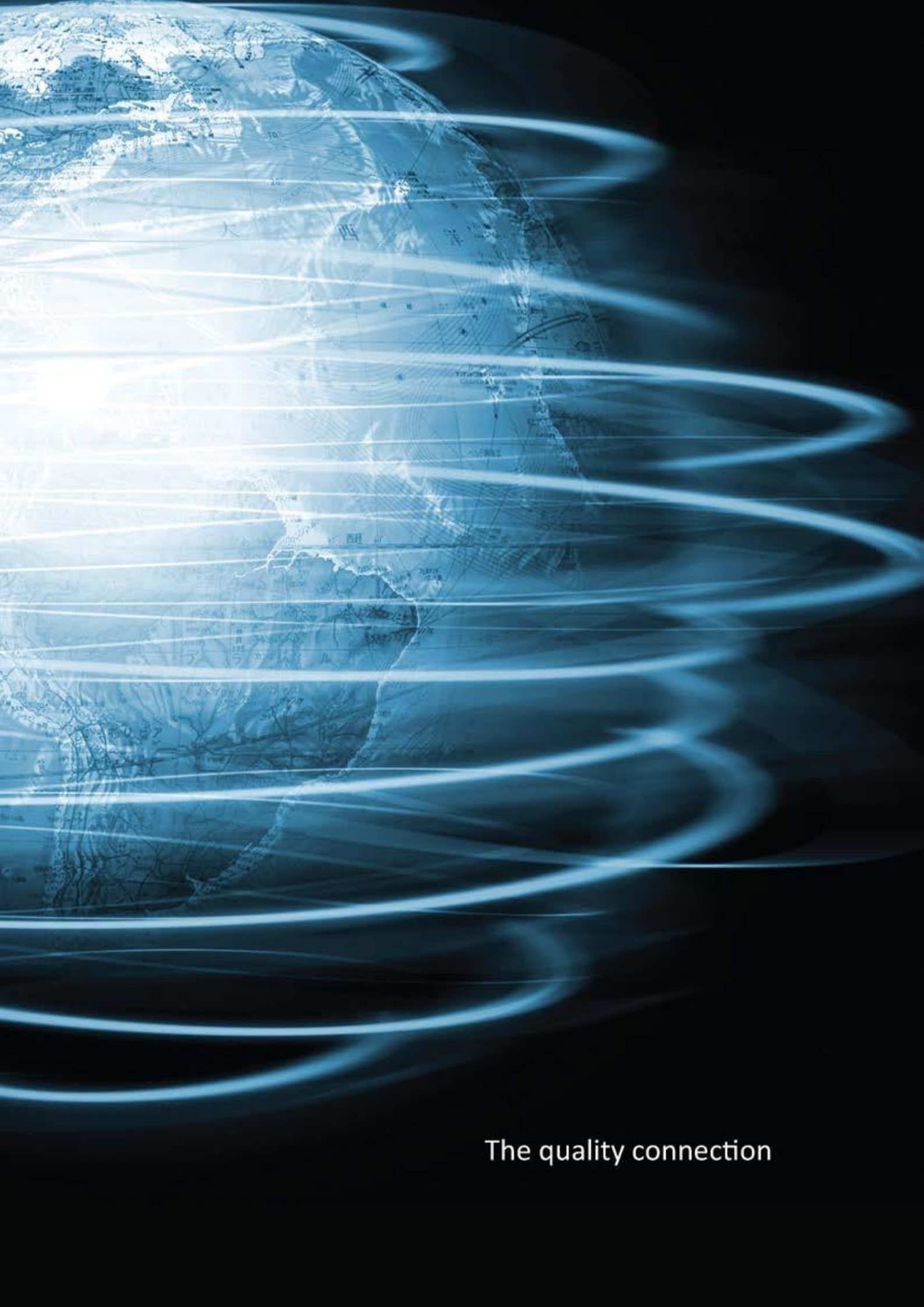
*: Class 5 can be supplied upon request.

PVC insulated, PVC sheathed, multi core control cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
5 x 1.5 re	1 x 1.38	0.8	1.8	13.6	290
6 x 1.5 re	1 x 1.38	0.8	1.8	14.5	335
7 x 1.5 re	1 x 1.38	0.8	1.8	14.5	340
10 x 1.5 re	1 x 1.38	0.8	1.8	17.8	460
12 x 1.5 re	1 x 1.38	0.8	1.8	18.3	515
16 x 1.5 re	1 x 1.38	0.8	1.8	19.6	635
19 x 1.5 re	1 x 1.38	0.8	1.8	22.6	715
20 x 1.5 re	1 x 1.38	0.8	1.8	22.4	810
24 x 1.5 re	1 x 1.38	0.8	1.8	24.0	880
27 x 1.5 re	1 x 1.38	0.8	1.8	24.2	960
30 x 1.5 re	1 x 1.38	0.8	1.8	24.8	1030
34 x 1.5 re	1 x 1.38	0.8	1.8	26.6	1230
37 x 1.5 re	1 x 1.38	0.8	1.9	26.8	1270
48 x 1.5 re	1 x 1.38	0.8	2.0	31.5	1660
52 x 1.5 re	1 x 1.38	0.8	2.0	33.0	1720
61 x 1.5 re	1 x 1.38	0.8	2.1	34.7	1930
5 x 1.5 rm	7 x 0.53	0.8	1.8	14.1	295
6 x 1.5 rm	7 x 0.53	0.8	1.8	15.1	345
7 x 1.5 rm	7 x 0.53	0.8	1.8	15.1	350
10 x 1.5 rm	7 x 0.53	0.8	1.8	18.2	473
12 x 1.5 rm	7 x 0.53	0.8	1.8	18.7	530
16 x 1.5 rm	7 x 0.53	0.8	1.8	20.5	650
19 x 1.5 rm	7 x 0.53	0.8	1.8	21.5	730
20 x 1.5 rm	7 x 0.53	0.8	1.8	23.0	820
24 x 1.5 rm	7 x 0.53	0.8	1.8	24.8	900
27 x 1.5 rm	7 x 0.53	0.8	1.8	25.4	980
30 x 1.5 rm	7 x 0.53	0.8	1.8	26.2	1050
34 x 1.5 rm	7 x 0.53	0.8	1.9	28.0	1250
37 x 1.5 rm	7 x 0.53	0.8	2.0	28.2	1290
48 x 1.5 rm	7 x 0.53	0.8	2.0	32.0	1680
52 x 1.5 rm	7 x 0.53	0.8	2.1	33.5	1740
61 x 1.5 rm	7 x 0.53	0.8	2.1	35.4	1960
5 x 2.5 re	1 x 1.78	0.8	2.3	14.8	370
6 x 2.5 re	1 x 1.78	0.8	1.8	16.0	420
7 x 2.5 re	1 x 1.78	0.8	1.8	16.0	440

PVC insulated, PVC sheathed, multi core control cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
10 x 2.5 re	1 x 1.78	0.8	1.8	19.6	610
12 x 2.5 re	1 x 1.78	0.8	1.8	20.2	675
16 x 2.5 re	1 x 1.78	0.8	1.8	22.0	845
19 x 2.5 re	1 x 1.78	0.8	1.8	23.1	965
20 x 2.5 re	1 x 1.78	0.8	1.8	25.0	1050
24 x 2.5 re	1 x 1.78	0.8	1.8	27.6	1240
27 x 2.5 re	1 x 1.78	0.8	1.8	27.6	1310
30 x 2.5 re	1 x 1.78	0.8	1.9	28.4	1420
34 x 2.5 re	1 x 1.78	0.8	2.0	30.6	1710
37 x 2.5 re	1 x 1.78	0.8	2.0	30.6	1760
48 x 2.5 re	1 x 1.78	0.8	2.1	35.2	2250
52 x 2.5 re	1 x 1.78	0.8	2.1	36.0	2380
61 x 2.5 re	1 x 1.78	0.8	2.2	37.2	2730
5 x 2.5 rm	7 x 0.67	0.8	1.8	15.2	375
6 x 2.5 rm	7 x 0.67	0.8	1.8	16.4	430
7 x 2.5 rm	7 x 0.67	0.8	1.8	16.4	450
10 x 2.5 rm	7 x 0.67	0.8	1.8	20.0	620
12 x 2.5 rm	7 x 0.67	0.8	1.8	20.6	690
16 x 2.5 rm	7 x 0.67	0.8	1.8	22.6	860
19 x 2.5 rm	7 x 0.67	0.8	1.8	23.7	980
20 x 2.5 rm	7 x 0.67	0.8	1.8	25.6	1070
24 x 2.5 rm	7 x 0.67	0.8	1.8	28.2	1260
27 x 2.5 rm	7 x 0.67	0.8	1.8	28.2	1330
30 x 2.5 rm	7 x 0.67	0.8	1.9	29.2	1440
34 x 2.5 rm	7 x 0.67	0.8	2.0	31.4	1730
37 x 2.5 rm	7 x 0.67	0.8	2.1	31.6	1780
48 x 2.5 rm	7 x 0.67	0.8	2.1	36.4	2280
52 x 2.5 rm	7 x 0.67	0.8	2.2	37.5	2410
61 x 2.5 rm	7 x 0.67	0.8	2.2	39.4	2760


The quality connection

PVC insulated, PVC sheathed, multi core screened power cable, 0.6/1 kV

CU / PVC / PVC / CWA / PVC

Application:

- For industry and distribution boards, power station, house connecting boxes and street lighting, where increased electrical and also mechanical protection are required. Used in open air, underground, water, indoors and cable ducts.

Standard:

- VDE 0271
- IEC 60502-1
- ISIRI 3569-1

Construction:

- Plain annealed copper conductor, class 1 & 2.
- PVC insulation, type A.
- Cores twisted together, if necessary in concentric layers.
- PVC inner covering.
- Concentric copper wire applied helically, if necessary copper tape in open helix.
- PVC sheath, type ST1.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 70°C.
- Code designation: NYCY *.

*: NYCWY can be supplied upon request.

PVC insulated, PVC sheathed, multi core screened power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
1 x 1.5 re / 1.5	1 x 1.38	0.8	1.8	7.2	88
1 x 1.5 rm / 1.5	7 x 0.53	0.8	1.8	7.4	92
1 x 2.5 re / 2.5	1 x 1.78	0.8	1.8	8.2	115
1 x 2.5 rm / 2.5	7 x 0.67	0.8	1.8	8.4	118
1 x 4 re / 4	1 x 2.26	1.0	1.8	9.0	152
1 x 4 rm / 4	7 x 0.85	1.0	1.8	9.2	156
1 x 6 re / 6	1 x 2.78	1.0	1.8	10.0	200
1 x 6 rm / 6	7 x 1.04	1.0	1.8	10.2	206
1 x 10 re / 10	1 x 3.57	1.0	1.8	10.8	280
1 x 10 rm / 10	7 x 1.35	1.0	1.8	11.2	286
1 x 16 rm / 16	7 x 1.70	1.0	1.8	13.0	420
1 x 25 rm / 25	7 x 2.14	1.2	1.8	14.6	625
1 x 35 rm / 35	7 x 2.52	1.2	1.8	15.8	830
1 x 50 rm / 16	19 x 1.78	1.4	1.8	19.6	860
1 x 70 rm / 16	19 x 2.17	1.4	1.8	21.6	1100
1 x 95 rm / 16	19 x 2.52	1.6	1.8	24.2	1380
1 x 120 rm / 16	37 x 2.03	1.6	1.8	25.0	1630
1 x 150 rm / 25	37 x 2.25	1.8	1.8	27.3	2020
1 x 185 rm / 25	37 x 2.52	2.0	1.9	29.7	2450
1 x 240 rm / 25	37 x 2.88	2.2	2.1	33.2	3040

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
2 x 1.5 re / 1.5	1 x 1.38	0.8	1.8	11.8	205
2 x 1.5 rm / 1.5	7 x 0.53	0.8	1.8	12.0	212
2 x 2.5 re / 2.5	1 x 1.78	0.8	1.8	13.4	268
2 x 2.5 rm / 2.5	7 x 0.67	0.8	1.8	13.6	275
2 x 4 re / 4	1 x 2.26	1.0	1.8	14.6	350
2 x 4 rm / 4	7 x 0.85	1.0	1.8	14.8	358
2 x 6 re / 6	1 x 2.78	1.0	1.8	16.5	440
2 x 6 rm / 6	7 x 1.04	1.0	1.8	17.0	448
2 x 10 re / 10	1 x 3.57	1.0	1.8	18.0	600
2 x 10 rm / 10	7 x 1.35	1.0	1.8	18.6	614
2 x 16 rm / 16	7 x 1.70	1.0	1.8	21.8	890
2 x 25 rm / 25	7 x 2.14	1.2	1.8	26.2	1380
2 x 35 rm / 35	7 x 2.52	1.2	1.8	28.5	1770

PVC insulated, PVC sheathed, multi core screened power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
3 x 1.5 re / 1.5	1 x 1.38	0.8	1.8	12.2	225
3 x 1.5 rm / 1.5	7 x 0.53	0.8	1.8	12.6	230
3 x 2.5 re / 2.5	1 x 1.78	0.8	1.8	14.0	296
3 x 2.5 rm / 2.5	7 x 0.67	0.8	1.8	14.5	310
3 x 4 re / 4	1 x 2.26	1.0	1.8	15.4	394
3 x 4 rm / 4	7 x 0.85	1.0	1.8	16.0	415
3 x 6 re / 6	1 x 2.78	1.0	1.8	17.2	500
3 x 6 rm / 6	7 x 1.04	1.0	1.8	17.8	520
3 x 10 re / 10	1 x 3.57	1.0	1.8	19.0	690
3 x 10 rm / 10	7 x 1.35	1.0	1.8	19.6	710
3 x 16 rm / 16	7 x 1.70	1.0	1.8	23.6	1090
3 x 25 rm / 25	7 x 2.14	1.2	1.8	27.6	1620
3 x 35 rm / 35	7 x 2.52	1.2	1.9	30.0	2080
4 x 1.5 re / 1.5	1 x 1.38	0.8	1.8	13.0	260
4 x 1.5 rm / 1.5	7 x 0.53	0.8	1.8	13.4	265
4 x 2.5 re / 2.5	1 x 1.78	0.8	1.8	14.8	345
4 x 2.5 rm / 2.5	7 x 0.67	0.8	1.8	15.2	355
4 x 4 re / 4	1 x 2.26	1.0	1.8	16.5	460
4 x 4 rm / 4	7 x 0.85	1.0	1.8	17.0	475
4 x 6 re / 6	1 x 2.78	1.0	1.8	18.4	590
4 x 6 rm / 6	7 x 1.04	1.0	1.8	19.0	600
4 x 10 re / 10	1 x 3.57	1.0	1.8	20.2	825
4 x 10 rm / 10	7 x 1.35	1.0	1.8	20.8	840
4 x 16 rm / 16	7 x 1.70	1.0	1.8	25.4	1310
4 x 25 rm / 25	7 x 2.14	1.2	1.9	29.5	1960
4 x 35 rm / 35	7 x 2.52	1.2	2.0	33.0	2595
5 x 1.5 re / 1.5	1 x 1.38	0.8	1.8	14.8	310
7 x 1.5 re / 1.5	1 x 1.38	0.8	1.8	15.6	380
8 x 1.5 re / 1.5	1 x 1.38	0.8	1.8	16.8	410
10 x 1.5 re / 2.5	1 x 1.38	0.8	1.8	19.2	445
12 x 1.5 re / 2.5	1 x 1.38	0.8	1.8	19.6	570
14 x 1.5 re / 2.5	1 x 1.38	0.8	1.8	20.4	630
16 x 1.5 re / 4	1 x 1.38	0.8	1.8	20.8	710
19 x 1.5 re / 4	1 x 1.38	0.8	1.8	22.5	840
24 x 1.5 re / 6	1 x 1.38	0.8	1.8	27.0	1060
30 x 1.5 re / 6	1 x 1.38	0.8	1.8	27.2	1220
37 x 1.5 re / 10	1 x 1.38	0.8	1.8	28.5	1320
40 x 1.5 re / 10	1 x 1.38	0.8	2.0	30.5	1530

PVC insulated, PVC sheathed, multi core screened power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
52 x 1.5 re / 10	1 x 1.38	0.8	2.1	35.6	1880
61 x 1.5 re / 10	1 x 1.38	0.8	2.2	37.8	2230
5 x 1.5 rm / 1.5	7 x 0.53	0.8	1.8	14.8	320
7 x 1.5 rm / 1.5	7 x 0.53	0.8	1.8	15.6	390
8 x 1.5 rm / 1.5	7 x 0.53	0.8	1.8	17.0	420
10 x 1.5 rm / 2.5	7 x 0.53	0.8	1.8	19.2	455
12 x 1.5 rm / 2.5	7 x 0.53	0.8	1.8	20.0	580
14 x 1.5 rm / 2.5	7 x 0.53	0.8	1.8	20.5	645
16 x 1.5 rm / 4	7 x 0.53	0.8	1.8	21.0	730
19 x 1.5 rm / 4	7 x 0.53	0.8	1.8	22.8	850
24 x 1.5 rm / 6	7 x 0.53	0.8	1.8	27.5	1070
30 x 1.5 rm / 6	7 x 0.53	0.8	1.8	28.8	1232
37 x 1.5 rm / 10	7 x 0.53	0.8	1.8	29.0	1335
40 x 1.5 rm / 10	7 x 0.53	0.8	2.0	30.6	1544
52 x 1.5 rm / 10	7 x 0.53	0.8	2.1	36.0	1892
61 x 1.5 rm / 10	7 x 0.53	0.8	2.2	38.2	2246
5 x 2.5 re / 2.5	1 x 1.78	0.8	1.8	16.2	390
7 x 2.5 re / 2.5	1 x 1.78	0.8	1.8	17.0	490
8 x 2.5 re / 2.5	1 x 1.78	0.8	1.8	18.4	530
10 x 2.5 re / 4	1 x 1.78	0.8	1.8	20.4	670
12 x 2.5 re / 4	1 x 1.78	0.8	1.8	21.0	750
14 x 2.5 re / 4	1 x 1.78	0.8	1.8	22.8	880
16 x 2.5 re / 6	1 x 1.78	0.8	1.8	24.2	990
19 x 2.5 re / 6	1 x 1.78	0.8	1.8	25.2	1150
24 x 2.5 re / 10	1 x 1.78	0.8	1.9	29.5	1180
30 x 2.5 re / 10	1 x 1.78	0.8	2.0	32.0	1640
37 x 2.5 re / 10	1 x 1.78	0.8	2.0	31.5	1800
40 x 2.5 re / 10	1 x 1.78	0.8	2.1	33.8	2070
52 x 2.5 re / 10	1 x 1.78	0.8	2.2	39.2	2630
61 x 2.5 re / 10	1 x 1.78	0.8	2.3	41.2	2970
5 x 2.5 rm / 2.5	7 x 0.67	0.8	1.8	17.2	395
7 x 2.5 rm / 2.5	7 x 0.67	0.8	1.8	17.6	500
8 x 2.5 rm / 2.5	7 x 0.67	0.8	1.8	18.6	540
10 x 2.5 rm / 4	7 x 0.67	0.8	1.8	20.6	685
12 x 2.5 rm / 4	7 x 0.67	0.8	1.8	21.4	768
14 x 2.5 rm / 4	7 x 0.67	0.8	1.8	23.2	894
16 x 2.5 rm / 6	7 x 0.67	0.8	1.8	24.6	1010
19 x 2.5 rm / 6	7 x 0.67	0.8	1.8	25.6	1170

PVC insulated, PVC sheathed, multi core screened power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
24 x 2.5 rm / 10	7 x 0.67	0.8	1.9	29.8	1195
30 x 2.5 rm / 10	7 x 0.67	0.8	2.0	32.5	1654
37 x 2.5 rm / 10	7 x 0.67	0.8	2.1	31.8	1820
40 x 2.5 rm / 10	7 x 0.67	0.8	2.2	34.0	2085
52 x 2.5 rm / 10	7 x 0.67	0.8	2.2	39.6	2646
61 x 2.5 rm / 10	7 x 0.67	0.8	2.3	41.4	2985

PVC insulated, PVC sheathed, single and multi core armoured power cable, 0.6/1 kV

CU / PVC / PVC /SWA* / PVC

Application:

- These cables can be used indoor or outdoor in cable ducts, cable trays, conduits or underground locations under mechanical stress at power and switching stations, local distribution systems, industrial plants and commercial buildings.

Standard:

- IEC 60502-1
- VDE 0271
- ISIRI 3569-1

Construction:

- Plain annealed copper class 1 & 2.
- PVC insulation, type A.
- Cores twisted together, if necessary in concentric layers.
- Extruded PVC compatible with the operating temperature of the conductor.
- Aluminum wire armour for single core and galvanized steel wire armour for multi core cable.
- PVC sheath, type ST1.

General Specification:

- Rated voltage: 0.6/1 kV
- Working temperature: Max.70°C.
- Code designation: NYRY.

*: BWA, AWA can be supplied upon request.

PVC insulated, PVC sheathed, single and multi core armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
1 x 4 re	1 x 2.26	1.0	0.9	1.8	12.2	210
1 x 4 rm	7 x 0.85	1.0	0.9	1.8	12.4	220
1 x 6 re	1 x 2.78	1.0	0.9	1.8	12.6	242
1 x 6 rm	7 x 1.04	1.0	0.9	1.8	13.0	250
1 x 10 re	1 x 3.57	1.0	0.9	1.8	13.4	290
1 x 10 rm	7 x 1.35	1.0	0.9	1.8	14.0	305
1 x 16 rm	7 x 1.70	1.0	0.9	1.8	14.6	380
1 x 25 rm	7 x 2.14	1.2	1.2	1.8	16.8	540
1 x 35 rm	7 x 2.52	1.2	1.2	1.8	18.1	660
1 x 50 rm	19 x 1.78	1.4	1.2	1.8	19.7	820
1 x 70 rm	19 x 2.17	1.4	1.2	1.8	21.7	1080
1 x 95 rm	19 x 2.52	1.6	1.6	1.8	24.2	1420
1 x 120 rm	37 x 2.03	1.6	1.6	1.8	25.6	1690
1 x 150 rm	37 x 2.25	1.8	1.6	1.8	27.6	2030
1 x 185 rm	37 x 2.52	2.0	1.6	1.9	30.4	2470
1 x 240 rm	37 x 2.88	2.2	2.0	2.1	34.5	3210

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
2 x 1.5 re	1 x 1.38	0.8	0.9	1.8	13.8	380
2 x 1.5 rm	7 x 0.53	0.8	0.9	1.8	14.2	390
2 x 2.5 re	1 x 1.78	0.8	0.9	1.8	14.8	460
2 x 2.5 rm	7 x 0.67	0.8	0.9	1.8	15.2	470
2 x 4 re	1 x 2.26	1.0	1.2	1.8	17.4	630
2 x 4 rm	7 x 0.85	1.0	1.2	1.8	17.8	640
2 x 6 re	1 x 2.78	1.0	1.2	1.8	18.4	735
2 x 6 rm	7 x 1.04	1.0	1.2	1.8	18.8	750
2 x 10 re	1 x 3.57	1.0	1.2	1.8	20.2	910
2 x 10 rm	7 x 1.35	1.0	1.2	1.8	20.6	930
2 x 16 rm	7 x 1.70	1.0	1.6	1.8	23.5	1310
2 x 25 rm	7 x 2.14	1.2	1.6	1.8	27.0	1740
2 x 35 rm	7 x 2.52	1.2	1.6	1.9	29.5	2100
2 x 50 rm	19 x 1.78	1.4	1.6	2.1	33.0	2640
3 x 1.5 re	1 x 1.38	0.8	0.9	1.8	14.4	410

PVC insulated, PVC sheathed, single and multi core armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
3 x 1.5 rm	7 x 0.53	0.8	0.9	1.8	14.8	420
3 x 2.5 re	1 x 1.78	0.8	0.9	1.8	15.0	465
3 x 2.5 rm	7 x 0.67	0.8	0.9	1.8	15.3	480
3 x 4 re	1 x 2.26	1.0	1.2	1.8	18.0	698
3 x 4 rm	7 x 0.85	1.0	1.2	1.8	18.4	710
3 x 6 re	1 x 2.78	1.0	1.2	1.8	19.1	820
3 x 6 rm	7 x 1.04	1.0	1.2	1.8	19.5	840
3 x 10 re	1 x 3.57	1.0	1.6	1.8	20.4	1120
3 x 10 rm	7 x 1.35	1.0	1.6	1.8	22.0	1190
3 x 16 rm	7 x 1.70	1.0	1.6	1.8	24.0	1500
3 x 25 rm	7 x 2.14	1.2	1.6	1.9	28.6	2040
3 x 35 rm	7 x 2.52	1.2	1.6	2.1	30.8	2460
3 x 25 / 16 rm	7 x 2.14 7 x 1.70	1.2 1.0	1.6	1.9	29.6	2280
3 x 35 / 16 rm	7 x 2.52 7 x 1.70	1.2 1.0	1.6	2.0	32.0	2680
4 x 1.5 re	1 x 1.38	0.8	0.9	1.8	15.0	410
4 x 1.5 rm	7 x 0.53	0.8	0.9	1.8	15.5	430
4 x 2.5 re	1 x 1.78	0.8	0.9	1.8	15.8	480
4 x 2.5 rm	7 x 0.67	0.8	0.9	1.8	16.4	510
4 x 4 re	1 x 2.26	1.0	1.2	1.8	18.6	720
4 x 4 rm	7 x 0.85	1.0	1.2	1.8	19.5	790
4 x 6 re	1 x 2.78	1.0	1.2	1.8	19.8	870
4 x 6 rm	7 x 1.04	1.0	1.2	1.8	20.7	920
4 x 10 re	1 x 3.57	1.0	1.2	1.8	21.8	1050
4 x 10 rm	7 x 1.35	1.0	1.2	1.8	23.2	1200
4 x 16 rm	7 x 1.70	1.0	1.6	1.8	26.4	1770
4 x 25 rm	7 x 2.14	1.2	1.6	1.8	29.8	2380
4 x 35 rm	7 x 2.52	1.2	1.6	1.9	32.7	3250
5 x 1.5 re	1 x 1.38	0.8	1.2	1.8	16.4	550
7 x 1.5 re	1 x 1.38	0.8	1.2	1.8	17.6	670
8 x 1.5 re	1 x 1.38	0.8	1.2	1.8	20.0	810
10 x 1.5 re	1 x 1.38	0.8	1.2	1.8	20.2	850
12 x 1.5 re	1 x 1.38	0.8	1.6	1.8	21.6	1060
14 x 1.5 re	1 x 1.38	0.8	1.6	1.8	22.4	1130
16 x 1.5 re	1 x 1.38	0.8	1.6	1.8	23.4	1230
19 x 1.5 re	1 x 1.38	0.8	1.6	1.8	24.2	1340
24 x 1.5 re	1 x 1.38	0.8	1.6	1.9	27.4	1640

PVC insulated, PVC sheathed, single and multi core armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
30 x 1.5 re	1 x 1.38	0.8	1.6	2.0	28.6	1810
37 x 1.5 re	1 x 1.38	0.8	1.6	2.0	30.5	2080
40 x 1.5 re	1 x 1.38	0.8	2.0	2.1	33.2	2500
52 x 1.5 re	1 x 1.38	0.8	2.0	2.2	36.2	2920
61 x 1.5 re	1 x 1.38	0.8	2.0	2.3	38.0	3170
5 x 1.5 rm	7 x 0.53	0.8	1.2	1.8	16.6	570
7 x 1.5 rm	7 x 0.53	0.8	1.2	1.8	18.0	690
8 x 1.5 rm	7 x 0.53	0.8	1.2	1.8	20.6	840
10 x 1.5 rm	7 x 0.53	0.8	1.2	1.8	21.0	880
12 x 1.5 rm	7 x 0.53	0.8	1.6	1.8	22.5	1100
14 x 1.5 rm	7 x 0.53	0.8	1.6	1.8	23.2	1170
16 x 1.5 rm	7 x 0.53	0.8	1.6	1.8	24.2	1270
19 x 1.5 rm	7 x 0.53	0.8	1.6	1.8	25.0	1380
24 x 1.5 rm	7 x 0.53	0.8	1.6	1.9	28.4	1680
30 x 1.5 rm	7 x 0.53	0.8	1.6	2.0	29.8	1850
37 x 1.5 rm	7 x 0.53	0.8	1.6	2.0	31.8	2130
40 x 1.5 rm	7 x 0.53	0.8	2.0	2.1	34.4	2560
52 x 1.5 rm	7 x 0.53	0.8	2.0	2.2	37.4	2980
61 x 1.5 rm	7 x 0.53	0.8	2.0	2.3	39.5	3240
5 x 2.5 re	1 x 1.78	0.8	1.2	1.8	17.6	700
7 x 2.5 re	1 x 1.78	0.8	1.2	1.8	18.5	810
8 x 2.5 re	1 x 1.78	0.8	1.2	1.8	22.0	1130
10 x 2.5 re	1 x 1.78	0.8	1.6	1.8	22.4	1180
12 x 2.5 re	1 x 1.78	0.8	1.6	1.8	23.0	1270
14 x 2.5 re	1 x 1.78	0.8	1.6	1.8	24.0	1400
16 x 2.5 re	1 x 1.78	0.8	1.6	1.8	25.0	1360
19 x 2.5 re	1 x 1.78	0.8	1.6	1.8	25.2	1560
24 x 2.5 re	1 x 1.78	0.8	1.6	2.0	28.8	1910
30 x 2.5 re	1 x 1.78	0.8	1.6	2.1	31.2	2270
37 x 2.5 re	1 x 1.78	0.8	2.0	2.1	34.6	2910
40 x 2.5 re	1 x 1.78	0.8	2.0	2.2	36.6	3100
52 x 2.5 re	1 x 1.78	0.8	2.0	2.3	40.2	3760
61 x 2.5 re	1 x 1.78	0.8	2.0	2.4	42.0	4170
5 x 2.5 rm	7 x 0.67	0.8	1.2	1.8	18.4	720
7 x 2.5 rm	7 x 0.67	0.8	1.2	1.8	19.5	830
8 x 2.5 rm	7 x 0.67	0.8	1.2	1.8	23.0	1150
10 x 2.5 rm	7 x 0.67	0.8	1.6	1.8	23.4	1200
12 x 2.5 rm	7 x 0.67	0.8	1.6	1.8	24.0	1290

PVC insulated, PVC sheathed, single and multi core armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
14 x 2.5 rm	7 x 0.67	0.8	1.6	1.8	25.2	1430
16 x 2.5 rm	7 x 0.67	0.8	1.6	1.8	26.2	1390
19 x 2.5 rm	7 x 0.67	0.8	1.6	1.8	26.4	1600
24 x 2.5 rm	7 x 0.67	0.8	1.6	2.0	30.0	1950
30 x 2.5 rm	7 x 0.67	0.8	1.6	2.1	32.7	2310
37 x 2.5 rm	7 x 0.67	0.8	2.0	2.1	35.8	2970
40 x 2.5 rm	7 x 0.67	0.8	2.0	2.2	38.0	3190
52 x 2.5 rm	7 x 0.67	0.8	2.0	2.3	41.6	3860
61 x 2.5 rm	7 x 0.67	0.8	2.0	2.4	43.8	4270

PVC insulated, PVC sheathed multi core tape armoured power cable, 0.6/1 kV

CU / PVC / PVC / GSTA / PVC

Application:

- These cables can be used indoor or outdoor in cable ducts, cable trays, conduits or underground locations under mechanical stress in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Standard:

- IEC 60502-1
- VDE 0271
- ISIRI 3569-1

Construction:

- Plain annealed copper class 1 & 2.
- PVC insulation, type A.
- Cores twisted together, if necessary in concentric layers.
- Extruded PVC compatible with the operating temperature of the conductor.
- Galvanized double steel tape armour.
- PVC sheath, type ST1.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 70°C.
- Code designation: NYBY.

PVC insulated, PVC sheathed multi core tape armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour tape thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
2 x 1.5 re	1 x 1.38	0.8	0.2	1.8	13.0	270
2 x 1.5 re	7 x 0.53	0.8	0.2	1.8	13.2	275
2 x 2.5 re	1 x 1.78	0.8	0.2	1.8	14.0	315
2 x 2.5 re	7 x 0.67	0.8	0.2	1.8	14.4	320
2 x 4 re	1 x 2.26	1.0	0.2	1.8	15.5	400
2 x 4 re	7 x 0.85	1.0	0.2	1.8	15.8	410
2 x 6 re	1 x 2.78	1.0	0.2	1.8	16.6	490
2 x 6 re	7 x 1.04	1.0	0.2	1.8	17.0	505
2 x 10 re	1 x 3.57	1.0	0.2	1.8	18.0	610
2 x 10 re	7 x 1.35	1.0	0.2	1.8	18.5	630
2 x 16 re	7 x 1.70	1.0	0.2	1.8	20.5	815
2 x 25 re	7 x 2.14	1.2	0.2	1.8	23.5	1115
3 x 1.5 re	1 x 1.38	0.8	0.2	1.8	13.5	300
3 x 1.5 re	7 x 0.53	0.8	0.2	1.8	13.8	310
3 x 2.5 re	1 x 1.78	0.8	0.2	1.8	14.5	350
3 x 2.5 re	7 x 0.67	0.8	0.2	1.8	14.8	360
3 x 4 re	1 x 2.26	1.0	0.2	1.8	16.0	455
3 x 4 re	7 x 0.85	1.0	0.2	1.8	16.4	470
3 x 6 re	1 x 2.78	1.0	0.2	1.8	17.6	570
3 x 6 re	7 x 1.04	1.0	0.2	1.8	18.0	585
3 x 10 re	1 x 3.57	1.0	0.2	1.8	19.1	735
3 x 10 re	7 x 1.35	1.0	0.2	1.8	19.5	750
3 x 16 re	7 x 1.70	1.0	0.2	1.8	21.5	980
3 x 25 re	7 x 2.14	1.2	0.2	1.8	25.0	1380
3 x 25 rm / 16	7 x 2.14 7 x 1.70	1.2 1.0	0.2	1.8	26.0	1580
3 x 35 rm / 16	7 x 2.52 7 x 1.70	1.2 1.0	0.2	1.8	28.0	1930
4 x 1.5 re	1 x 1.38	0.8	0.2	1.8	14.0	340
4 x 1.5 re	7 x 0.53	0.8	0.2	1.8	14.2	345
4 x 2.5 re	1 x 1.78	0.8	0.2	1.8	15.0	405
4 x 2.5 re	7 x 0.67	0.8	0.2	1.8	15.4	410
4 x 4 re	1 x 2.26	1.0	0.2	1.8	17.0	530
4 x 4 re	7 x 0.85	1.0	0.2	1.8	17.4	540
4 x 6 re	1 x 2.78	1.0	0.2	1.8	19.0	695
4 x 6 re	7 x 1.04	1.0	0.2	1.8	19.5	680
4 x 10 re	1 x 3.57	1.0	0.2	1.8	20.2	870

PVC insulated, PVC sheathed multi core tape armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour tape thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
4 x 10 re	7 x 1.35	1.0	0.2	1.8	21.0	890
4 x 16 re	7 x 1.70	1.0	0.2	1.8	23.0	1180
4 x 25 re	7 x 2.14	1.2	0.2	1.8	27.0	1700
4 x 35 re	7 x 2.52	1.2	0.2	2.0	32.6	2340
5 x 1.5 re	7 x 0.53	0.8	0.2	1.8	15.0	370
7 x 1.5 re	7 x 0.53	0.8	0.2	1.8	16.4	440
8 x 1.5 re	7 x 0.53	0.8	0.2	1.8	19.0	550
10 x 1.5 re	7 x 0.53	0.8	0.2	1.8	19.5	584
12 x 1.5 re	7 x 0.53	0.8	0.2	1.8	20.2	642
14 x 1.5 re	7 x 0.53	0.8	0.2	1.8	21.0	700
16 x 1.5 re	7 x 0.53	0.8	0.2	1.8	21.7	770
19 x 1.5 re	7 x 0.53	0.8	0.2	1.8	22.6	870
24 x 1.5 re	7 x 0.53	0.8	0.2	1.8	26.0	1090
30 x 1.5 re	7 x 0.53	0.8	0.2	1.8	27.2	1220
37 x 1.5 re	7 x 0.53	0.8	0.2	1.8	29.6	1480
40 x 1.5 re	7 x 0.53	0.8	0.2	2.0	31.2	1590
52 x 1.5 re	7 x 0.53	0.8	0.2	2.1	34.0	1900
61 x 1.5 re	7 x 0.53	0.8	0.5	2.2	36.5	2450
5 x 2.5 re	1 x 1.78	0.8	0.2	1.8	16.2	440
7 x 2.5 re	1 x 1.78	0.8	0.2	1.8	17.2	540
8 x 2.5 re	1 x 1.78	0.8	0.2	1.8	19.6	665
10 x 2.5 re	1 x 1.78	0.8	0.2	1.8	20.6	715
12 x 2.5 re	1 x 1.78	0.8	0.2	1.8	21.2	800
14 x 2.5 re	1 x 1.78	0.8	0.2	1.8	22.2	900
16 x 2.5 re	1 x 1.78	0.8	0.2	1.8	24.2	980
19 x 2.5 re	1 x 1.78	0.8	0.2	1.8	24.4	1060
24 x 2.5 re	1 x 1.78	0.8	0.2	1.8	28.2	1330
30 x 2.5 re	1 x 1.78	0.8	0.2	2.0	30.0	1615
37 x 2.5 re	1 x 1.78	0.8	0.2	2.1	32.0	1915
40 x 2.5 re	1 x 1.78	0.8	0.5	2.1	34.4	2410
52 x 2.5 re	1 x 1.78	0.8	0.5	2.2	37.4	2920
61 x 2.5 re	1 x 1.78	0.8	0.5	2.3	39.2	3250
5 x 2.5 re	7 x 0.67	0.8	0.2	1.8	16.6	450
7 x 2.5 re	7 x 0.67	0.8	0.2	1.8	17.6	550
8 x 2.5 re	7 x 0.67	0.8	0.2	1.8	20.2	675

PVC insulated, PVC sheathed multi core tape armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour tape thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
10 x 2.5 re	7 x 0.67	0.8	0.2	1.8	21.2	725
12 x 2.5 re	7 x 0.67	0.8	0.2	1.8	21.8	810
14 x 2.5 re	7 x 0.67	0.8	0.2	1.8	22.7	915
16 x 2.5 re	7 x 0.67	0.8	0.2	1.8	24.8	995
19 x 2.5 re	7 x 0.67	0.8	0.2	1.9	25.0	1080
24 x 2.5 re	7 x 0.67	0.8	0.2	2.0	28.8	1350
30 x 2.5 re	7 x 0.67	0.8	0.2	2.1	30.5	1640
37 x 2.5 re	7 x 0.67	0.8	0.2	2.1	32.6	1940
40 x 2.5 re	7 x 0.67	0.8	0.2	2.1	35.2	2440
52 x 2.5 re	7 x 0.67	0.8	0.5	2.2	38.4	2960
61 x 2.5 re	7 x 0.67	0.8	0.5	2.3	40.6	3320

XLPE insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

CU / XLPE / PVC

Application:

- These cables can be used indoor or outdoor in cable ducts or trays in power and switching stations, industrial plants and commercial buildings.

Standard:

- IEC 60502-1
- ISIRI 3569-1
- VDE 0271

Construction:

- Plain annealed copper class 1 & 2.
- XLPE insulation.
- Cores twisted together, if necessary in concentric layers.
- PVC inner covering applicable to cables 16mm^2 and above.
- PVC sheath type ST2.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 90°C.
- Code designation: N2XY.

XLPE insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
1 x 4 re	1 x 2.26	0.7	1.4	6.5	76
1 x 4 rm	7 x 0.85	0.7	1.4	6.8	80
1 x 6 re	1 x 2.78	0.7	1.4	7.0	98
1 x 6 rm	7 x 1.04	0.7	1.4	7.3	105
1 x 10 re	1 x 3.57	0.7	1.4	7.8	140
1 x 10 rm	7 x 1.35	0.7	1.4	8.3	145
1 x 16 rm	7 x 1.70	0.7	1.4	9.3	210
1 x 25 rm	7 x 2.14	0.9	1.4	11.0	310
1 x 35 rm	7 x 2.52	0.9	1.4	12.2	410
1 x 50 rm	19 x 1.78	1.0	1.4	13.7	530
1 x 70 rm	19 x 2.17	1.1	1.4	16.1	770
1 x 95 rm	19 x 2.52	1.1	1.5	17.8	1010
1 x 120 rm	37 x 2.03	1.2	1.5	19.8	1270
1 x 150 rm	37 x 2.25	1.4	1.6	21.8	1550
1 x 185 rm	37 x 2.52	1.6	1.6	24.2	1940
1 x 240 rm	37 x 2.88	1.7	1.7	27.4	2510

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
2 x 1.5 re	1 x 1.38	0.7	1.8	11.2	150
2 x 1.5 rm	7 x 0.53	0.7	1.8	11.6	160
2 x 2.5 re	1 x 1.78	0.7	1.8	12.0	180
2 x 2.5 rm	7 x 0.67	0.7	1.8	12.4	192
2 x 4 re	1 x 2.26	0.7	1.8	12.9	262
2 x 4 rm	7 x 0.85	0.7	1.8	13.6	270
2 x 6 re	1 x 2.78	0.7	1.8	14.0	330
2 x 6 rm	7 x 1.04	0.7	1.8	14.6	340
2 x 10 re	1 x 3.57	0.7	1.8	15.5	440
2 x 10 rm	7 x 1.35	0.7	1.8	16.5	460
2 x 16 rm	7 x 1.70	0.7	1.8	18.5	650
2 x 25 rm	7 x 2.14	0.9	1.8	22.0	920
2 x 35 rm	7 x 2.52	0.9	1.8	24.0	1190
2 x 50 rm	19 x 1.78	1.0	1.8	27.4	1610

XLPE insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
3 x 1.5 re	1 x 1.38	0.7	1.8	11.6	155
3 x 1.5 rm	7 x 0.53	0.7	1.8	12.1	170
3 x 2.5 re	1 x 1.78	0.7	1.8	12.5	200
3 x 2.5 rm	7 x 0.67	0.7	1.8	12.9	210
3 x 4 re	1 x 2.26	0.7	1.8	12.0	280
3 x 4 rm	7 x 0.85	0.7	1.8	14.2	320
3 x 6 re	1 x 2.78	0.7	1.8	14.6	390
3 x 6 rm	7 x 1.04	0.7	1.8	15.6	410
3 x 10 re	1 x 3.57	0.7	1.8	16.4	540
3 x 10 rm	7 x 1.35	0.7	1.8	17.4	560
3 x 16 rm	7 x 1.70	0.7	1.8	19.6	780
3 x 25 rm	7 x 2.14	0.9	1.8	23.4	1140
3 x 35 rm	7 x 2.52	0.9	1.8	26.0	1520
3 x 25 / 16 rm	7 x 2.14 7 x 1.70	0.9 0.7	1.8	24.2	1320
3 x 35 / 16 rm	7 x 2.52 7 x 1.70	0.9 0.7	1.8	26.2	1660
4 x 1.5 re	1 x 1.38	0.7	1.8	12.4	190
4 x 1.5 rm	7 x 0.53	0.7	1.8	12.9	200
4 x 2.5 re	1 x 1.78	0.7	1.8	13.3	245
4 x 2.5 rm	7 x 0.67	0.7	1.8	13.8	260
4 x 4 re	1 x 2.26	0.7	1.8	14.5	320
4 x 4 rm	7 x 0.85	0.7	1.8	15.2	370
4 x 6 re	1 x 2.78	0.7	1.8	15.7	460
4 x 6 rm	7 x 1.04	0.7	1.8	16.5	480
4 x 10 re	1 x 3.57	0.7	1.8	17.6	650
4 x 10 rm	7 x 1.35	0.7	1.8	18.8	670
4 x 16 rm	7 x 1.70	0.7	1.8	21.2	980
4 x 25 rm	7 x 2.14	0.9	1.8	25.2	1430
4 x 35 rm	7 x 2.52	0.9	1.8	28.0	1900
5 x 1.5 re	1 x 1.38	0.7	1.8	13.2	270
5 x 1.5 rm	7 x 0.53	0.7	1.8	13.8	276
5 x 2.5 rm	7 x 0.67	0.7	1.8	14.8	330
5 x 4 rm	7 x 0.85	0.7	1.8	16.4	444
5 x 6 rm	7 x 1.04	0.7	1.8	17.8	570
5 x 10 rm	7 x 1.35	0.7	1.8	20.4	826

XLPE insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
5 x 16 rm	7 x 1.70	0.7	1.8	23.2	1160
5 x 25 rm	7 x 2.14	0.9	1.8	27.8	1740
5 x 35 rm	7 x 2.52	0.9	1.8	31.7	2350
6 x 1.5 re	1 x 1.38	0.7	1.8	14.0	305
6 x 1.5 rm	7 x 0.53	0.7	1.8	14.6	310
7 x 1.5 re	1 x 1.38	0.7	1.8	14.0	305
7 x 1.5 rm	7 x 0.53	0.7	1.8	14.6	315
10 x 1.5 re	1 x 1.38	0.7	1.8	16.8	420
10 x 1.5 rm	7 x 0.53	0.7	1.8	17.6	430
12 x 1.5 re	1 x 1.38	0.7	1.8	17.2	465
12 x 1.5 rm	7 x 0.53	0.7	1.8	17.9	480
16 x 1.5 re	1 x 1.38	0.7	1.8	18.8	575
16 x 1.5 rm	7 x 0.53	0.7	1.8	19.6	590
19 x 1.5 re	1 x 1.38	0.7	1.8	19.6	620
19 x 1.5 rm	7 x 0.53	0.7	1.8	20.6	634
20 x 1.5 re	1 x 1.38	0.7	1.8	21.0	640
20 x 1.5 rm	7 x 0.53	0.7	1.8	22.1	955
24 x 1.5 re	1 x 1.38	0.7	1.8	22.4	755
24 x 1.5 rm	7 x 0.53	0.7	1.8	23.6	780
27 x 1.5 re	1 x 1.38	0.7	1.8	22.8	810
27 x 1.5 rm	7 x 0.53	0.7	1.8	24.2	840
30 x 1.5 re	1 x 1.38	0.7	1.8	23.6	900
30 x 1.5 rm	7 x 0.53	0.7	1.8	25.0	920
34 x 1.5 re	1 x 1.38	0.7	1.8	25.2	1080
34 x 1.5 rm	7 x 0.53	0.7	1.8	26.6	1110
37 x 1.5 re	1 x 1.38	0.7	1.8	25.2	1090
37 x 1.5 rm	7 x 0.53	0.7	1.8	26.6	1120
48 x 1.5 re	1 x 1.38	0.7	1.9	28.6	1420
48 x 1.5 rm	7 x 0.53	0.7	1.9	30.2	1460
52 x 1.5 re	1 x 1.38	0.7	1.9	29.5	1500
52 x 1.5 rm	7 x 0.53	0.7	2.0	31.6	1530
61 x 1.5 re	1 x 1.38	0.7	2.0	32.6	1710
61 x 1.5 rm	7 x 0.53	0.7	2.0	33.5	1740
5 x 2.5 re	1 x 1.78	0.7	1.8	14.2	320
5 x 2.5 rm	7 x 0.67	0.7	1.8	14.8	330

XLPE insulated, PVC sheathed, single and multi core power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
6 x 2.5 re	1 x 1.78	0.7	1.8	15.2	395
6 x 2.5 rm	7 x 0.67	0.7	1.8	15.8	405
7 x 2.5 re	1 x 1.78	0.7	1.8	15.2	400
7 x 2.5 rm	7 x 0.67	0.7	1.8	15.8	410
10 x 2.5 re	1 x 1.78	0.7	1.8	18.4	545
10 x 2.5 rm	7 x 0.67	0.7	1.8	19.2	560
12 x 2.5 re	1 x 1.78	0.7	1.8	18.9	610
12 x 2.5 rm	7 x 0.67	0.7	1.8	19.8	620
16 x 2.5 re	1 x 1.78	0.7	1.8	20.6	740
16 x 2.5 rm	7 x 0.67	0.7	1.8	21.6	755
19 x 2.5 re	1 x 1.78	0.7	1.8	21.6	850
19 x 2.5 rm	7 x 0.67	0.7	1.8	22.6	870
20 x 2.5 re	1 x 1.78	0.7	1.8	23.2	875
20 x 2.5 rm	7 x 0.67	0.7	1.8	24.4	890
24 x 2.5 re	1 x 1.78	0.7	1.8	24.8	1125
24 x 2.5 rm	7 x 0.67	0.7	1.8	26.0	1146
27 x 2.5 re	1 x 1.78	0.7	1.8	25.3	1230
27 x 2.5 rm	7 x 0.67	0.7	1.8	26.5	1260
30 x 2.5 re	1 x 1.78	0.7	1.8	26.1	1310
30 x 2.5 rm	7 x 0.67	0.7	1.8	27.5	1340
34 x 2.5 re	1 x 1.78	0.7	1.8	28.0	1390
34 x 2.5 rm	7 x 0.67	0.7	1.8	29.6	1420
37 x 2.5 re	1 x 1.78	0.7	1.8	28.0	1550
37 x 2.5 rm	7 x 0.67	0.7	1.9	29.6	1580
48 x 2.5 re	1 x 1.78	0.7	2.0	32.0	2030
48 x 2.5 rm	7 x 0.67	0.7	2.1	34.0	2070
52 x 2.5 re	1 x 1.78	0.7	2.1	33.5	2080
52 x 2.5 rm	7 x 0.67	0.7	2.1	35.2	2130
61 x 2.5 re	1 x 1.78	0.7	2.2	35.6	2400
61 x 2.5 rm	7 x 0.67	0.7	2.2	37.5	2470

XLPE insulated, PVC sheathed, single and multi core armoured power cable, 0.6/1 kV

CU / XLPE / PVC / SWA* / PVC

Application:

- These cables can be used indoor or outdoor in cable ducts, cable trays, conduits or underground locations under mechanical stress in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Standard:

- IEC 60502-1
- ISIRI 3569-1
- VDE 0271

Construction:

- Plain annealed copper class 1 & 2.
- XLPE insulation.
- Cores twisted together, if necessary in concentric layers.
- Extruded PVC compatible with the operating temperature of the conductor.
- Aluminum wire armour for single core and galvanized steel wire armour for multi core.
- PVC sheath type ST2.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 90°C.
- Code designation: N2XRY.

*: BWA, AWA can be supplied upon request.

XLPE insulated, PVC sheathed, single and multi core armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
1 x 4 rm	7 x 0.85	0.7	0.9	1.8	11.8	280
1 x 6 rm	7 x 1.04	0.7	0.9	1.8	12.3	316
1 x 10 rm	7 x 1.35	0.7	0.9	1.8	13.3	360
1 x 16 rm	7 x 1.70	0.7	0.9	1.8	14.2	386
1 x 25 rm	7 x 2.14	0.9	0.9	1.8	16.0	480
1 x 35 rm	7 x 2.52	0.9	1.2	1.8	17.8	630
1 x 50 rm	19 x 1.78	1.0	1.2	1.8	18.9	770
1 x 70 rm	19 x 2.17	1.1	1.2	1.8	21.5	1040
1 x 95 rm	19 x 2.52	1.1	1.6	1.8	23.6	1340
1 x 120 rm	37 x 2.03	1.2	1.6	1.8	25.8	1630
1 x 150 rm	37 x 2.25	1.4	1.6	1.9	28.0	2000
1 x 185 rm	37 x 2.52	1.6	1.6	2.0	30.2	2345
1 x 240 rm	37 x 2.88	1.7	2.0	2.1	33.2	3150

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
2 x 1.5 rm	7 x 0.53	0.7	0.9	1.8	14.0	370
2 x 2.5 rm	7 x 0.67	0.7	0.9	1.8	14.8	510
2 x 4 rm	7 x 0.85	0.7	0.9	1.8	16.0	420
2 x 6 rm	7 x 1.04	0.7	1.2	1.8	17.5	670
2 x 10 rm	7 x 1.35	0.7	1.2	1.8	18.5	820
2 x 16 rm	7 x 1.70	0.7	1.2	1.8	20.5	1040
2 x 25 rm	7 x 2.14	0.9	1.6	1.8	24.5	1540
2 x 35 rm	7 x 2.52	0.9	1.6	1.8	28.0	1980
2 x 50 rm	19 x 1.78	1.0	1.6	1.9	31.2	2400
3 x 1.5 rm	7 x 0.53	0.7	0.9	1.8	13.7	360
3 x 2.5 rm	7 x 0.67	0.7	0.9	1.8	15.1	450
3 x 4 rm	7 x 0.85	0.7	1.2	1.8	17.0	620
3 x 6 rm	7 x 1.04	0.7	1.2	1.8	18.4	770
3 x 10 rm	7 x 1.35	0.7	1.2	1.8	20.0	940
3 x 16 rm	7 x 1.70	0.7	1.2	1.8	22.5	1220
3 x 25 rm	7 x 2.14	0.9	1.6	1.8	25.5	1820
3 x 35 rm	7 x 2.52	0.9	1.6	1.9	29.4	2330

XLPE insulated, PVC sheathed, single and multi core armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
3 x 25 / 16 rm	7 x 2.14 7 x 1.70	0.9 0.7	1.6	1.8	27.0	2030
3 x 35 / 16 rm	7 x 2.52 7 x 1.70	0.9 0.7	1.6	1.9	32.2	2740
4 x 1.5 rm	7 x 0.53	0.7	0.9	1.8	15.4	455
4 x 2.5 rm	7 x 0.67	0.7	0.9	1.8	16.0	516
4 x 4 rm	7 x 0.85	0.7	1.2	1.8	18.2	720
4 x 6 rm	7 x 1.04	0.7	1.2	1.8	19.6	860
4 x 10 rm	7 x 1.35	0.7	1.6	1.8	22.5	1210
4 x 16 rm	7 x 1.70	0.7	1.6	1.8	25.0	1620
4 x 25 rm	7 x 2.14	0.9	1.6	1.8	27.8	2160
4 x 35 rm	7 x 2.52	0.9	1.6	2.0	32.2	2780
5 x 1.5 rm	7 x 0.53	0.7	1.2	1.8	16.5	560
7 x 1.5 rm	7 x 0.53	0.7	1.2	1.8	17.0	620
10 x 1.5 rm	7 x 0.53	0.7	1.2	1.8	20.4	790
12 x 1.5 rm	7 x 0.53	0.7	1.2	1.8	21.0	870
14 x 1.5 rm	7 x 0.53	0.7	1.2	1.8	21.5	925
19 x 1.5 rm	7 x 0.53	0.7	1.6	1.8	24.2	1260
24 x 1.5 rm	7 x 0.53	0.7	1.6	1.8	27.2	1480
30 x 1.5 rm	7 x 0.53	0.7	1.6	1.9	28.7	1680
37 x 1.5 rm	7 x 0.53	0.7	1.6	1.9	30.5	1940
40 x 1.5 rm	7 x 0.53	0.7	1.6	2.0	32.2	2070
5 x 2.5 rm	7 x 0.67	0.7	1.2	1.8	17.8	670
7 x 2.5 rm	7 x 0.67	0.7	1.2	1.8	18.6	760
10 x 2.5 rm	7 x 0.67	0.7	1.6	1.8	23.0	1124
12 x 2.5 rm	7 x 0.67	0.7	1.6	1.8	23.8	1210
14 x 2.5 rm	7 x 0.67	0.7	1.6	1.8	24.3	1316
19 x 2.5 rm	7 x 0.67	0.7	1.6	1.8	26.4	1590
24 x 2.5 rm	7 x 0.67	0.7	1.6	1.9	30.0	1880
30 x 2.5 rm	7 x 0.67	0.7	1.6	2.0	31.8	2126
37 x 2.5 rm	7 x 0.67	0.7	2.0	2.1	34.5	2710
40 x 2.5 rm	7 x 0.67	0.7	2.0	2.2	36.2	2890

XLPE insulated, PVC sheathed, multi core tape armoured power cable, 0.6/1 kV

CU / XLPE / PVC / GSTA / PVC

Application:

- These cables can be used indoor or outdoor in cable ducts, cable trays, conduits or underground locations under mechanical stress in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Standard:

- IEC 60502-1
- ISIRI 3569-1

Construction:

- Plain annealed copper class 1 & 2.
- XLPE insulation.
- Cores twisted together, if necessary in concentric layers.
- Extruded PVC compatible with the operating temperature of the conductor.
- Galvanized steel tape armour.
- PVC sheath type ST2.

General specification:

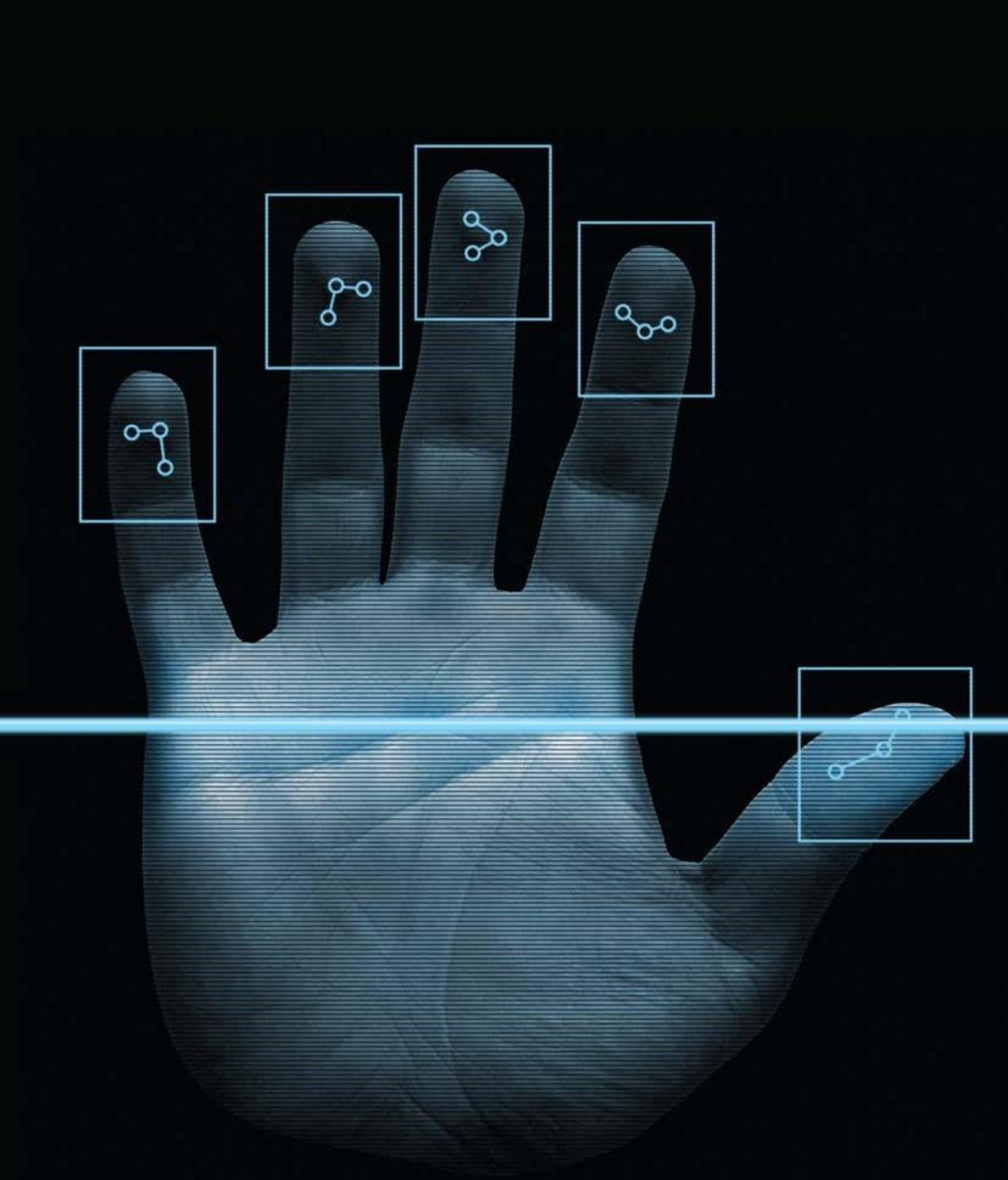
- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 90°C.
- Code designation: N2XBY.

XLPE insulated, PVC sheathed, multi core tape armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour tape thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
2 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	12.8	260
2 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	13.8	305
2 x 4 rm	7 x 0.85	0.7	0.2	1.8	14.5	360
2 x 6 rm	7 x 1.04	0.7	0.2	1.8	16.6	455
2 x 10 rm	7 x 1.35	0.7	0.2	1.8	18.0	580
2 x 16 rm	7 x 1.70	0.7	0.2	1.8	19.6	740
2 x 25 rm	7 x 2.14	0.9	0.2	1.8	23.2	1050
3 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	13.4	285
3 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	14.4	340
3 x 4 rm	7 x 0.85	0.7	0.2	1.8	15.4	410
3 x 6 rm	7 x 1.04	0.7	0.2	1.8	16.8	530
3 x 10 rm	7 x 1.35	0.7	0.2	1.8	18.5	690
3 x 16 rm	7 x 1.70	0.7	0.2	1.8	20.4	910
3 x 25 rm	7 x 2.14	0.9	0.2	1.8	23.8	1280
3 x 35 rm	7 x 2.52	0.9	0.2	1.8	26.4	1650
3 x 25 / 16 rm	7 x 2.14 7 x 1.70	0.9 0.7	0.2	1.8	24.8	1460
3 x 35 / 16 rm	7 x 2.52 7 x 1.70	0.9 0.7	0.2	1.8	27.4	1820
4 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	13.8	315
4 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	14.8	380
4 x 4 rm	7 x 0.85	0.7	0.2	1.8	16.0	470
4 x 6 rm	7 x 1.04	0.7	0.2	1.8	18.5	620
4 x 10 rm	7 x 1.35	0.7	0.2	1.8	20.0	810
4 x 16 rm	7 x 1.70	0.7	0.2	1.8	22.0	1100
4 x 25 rm	7 x 2.14	0.9	0.2	1.8	26.2	1600
4 x 35 rm	7 x 2.52	0.9	0.2	1.9	31.4	2280
5 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	14.8	360
7 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	16.0	430
10 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	19.0	560
12 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	19.5	600
14 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	20.0	640
16 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	21.3	710
19 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	21.8	780
24 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	25.0	940
30 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	26.0	1070
37 x 1.5 rm	7 x 0.53	0.7	0.2	1.8	28.2	1240

XLPE insulated, PVC sheathed, multi core tape armoured power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour tape thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
40 x 1.5 rm	7 x 0.53	0.7	0.2	1.9	29.2	1345
52 x 1.5 rm	7 x 0.53	0.7	0.2	2.0	32.3	1610
61 x 1.5 rm	7 x 0.53	0.7	0.2	2.1	34.5	1850
5 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	15.8	440
7 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	17.0	520
10 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	20.6	680
12 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	21.1	745
14 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	22.2	820
16 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	22.8	900
19 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	24.0	990
24 x 2.5 rm	7 x 0.67	0.7	0.2	1.8	27.5	1220
30 x 2.5 rm	7 x 0.67	0.7	0.2	1.9	26.0	1420
37 x 2.5 rm	7 x 0.67	0.7	0.2	1.9	31.2	1650
40 x 2.5 rm	7 x 0.67	0.7	0.2	2.0	32.4	1810
52 x 2.5 rm	7 x 0.67	0.7	0.5	2.1	37.4	2570
61 x 2.5 rm	7 x 0.67	0.7	0.5	2.2	39.4	2920



Our quality is your security

XLPE insulated, PVC sheathed, multi core screened power cable, 0.6/1 kV

CU / XLPE / PVC / CWB / PVC

Application:

- These cables can be used indoor or outdoor in cable duct, cable trays, conduit or underground in power and switching stations, local distribution systems, industrial plants and commercial building.

Standard:

- IEC 60502-1
- ISIRI 3569-1
- VDE 0271

Construction:

- Plain annealed copper class 1 & 2.
- XLPE insulation.
- Cores twisted together, if necessary in concentric layers.
- Extruded PVC compatible with the operating temperature of the conductor.
- Concentric plain annealed copper wire applied helically over cable core, tape with open helix of copper tape screen.
- PVC sheath type ST2.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 90°C.
- Code designation: N2XCY*.

*: N2YCWY can be supplied upon request.

XLPE insulated, PVC sheathed, multi core screened power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
2 x 1.5 rm / 1.5	7 x 0.53	0.7	1.8	13.2	235
2 x 2.5 rm / 2.5	7 x 0.67	0.7	1.8	14.2	280
2 x 4 rm / 4	7 x 0.85	0.7	1.8	15.5	358
2 x 6 rm / 6	7 x 1.04	0.7	1.8	16.7	445
2 x 10 rm / 10	7 x 1.35	0.7	1.8	18.9	630
2 x 16 rm / 16	7 x 1.70	0.7	1.8	21.3	870
2 x 25 rm / 25	7 x 2.14	0.9	1.8	25.0	1275
2 x 35 rm / 35	7 x 2.52	0.9	1.8	27.6	1640
3 x 1.5 rm / 1.5	7 x 0.53	0.7	1.8	13.4	250
3 x 2.5 rm / 2.5	7 x 0.67	0.7	1.8	14.4	314
3 x 4 rm / 4	7 x 0.85	0.7	1.8	16.0	410
3 x 6 rm / 6	7 x 1.04	0.7	1.8	17.2	515
3 x 10 rm / 10	7 x 1.35	0.7	1.8	19.6	735
3 x 16 rm / 16	7 x 1.70	0.7	1.8	22.0	1025
3 x 25 rm / 25	7 x 2.14	0.9	1.8	26.1	1520
3 x 35 rm / 35	7 x 2.52	0.9	1.9	29.0	1980
4 x 1.5 rm / 1.5	7 x 0.53	0.7	1.8	14.1	280
4 x 2.5 rm / 2.5	7 x 0.67	0.7	1.8	15.2	350
4 x 4 rm / 4	7 x 0.85	0.7	1.8	16.8	455
4 x 6 rm / 6	7 x 1.04	0.7	1.8	15.4	485
4 x 10 rm / 10	7 x 1.35	0.7	1.8	21.0	852
4 x 16 rm / 16	7 x 1.70	0.7	1.8	23.6	1210
4 x 25 rm / 25	7 x 2.14	0.9	1.8	28.0	1780
4 x 35 rm / 35	7 x 2.52	0.9	1.9	31.0	2364
5 x 1.5 rm / 1.5	7 x 0.53	0.7	1.8	15.0	315
7 x 1.5 rm / 1.5	7 x 0.53	0.7	1.8	16.0	370
10 x 1.5 rm / 2.5	7 x 0.53	0.7	1.8	18.8	486
12 x 1.5 rm / 2.5	7 x 0.53	0.7	1.8	19.6	550
16 x 1.5 rm / 4	7 x 0.53	0.7	1.8	21.2	660
19 x 1.5 rm / 4	7 x 0.53	0.7	1.8	22.2	746
24 x 1.5 rm / 6	7 x 0.53	0.7	1.8	25.2	910
27 x 1.5 rm / 6	7 x 0.53	0.7	1.8	26.0	980
30 x 1.5 rm / 6	7 x 0.53	0.7	1.8	26.5	1045
37 x 1.5 rm / 10	7 x 0.53	0.7	1.9	28.5	1230
48 x 1.5 rm / 10	7 x 0.53	0.7	2.0	32.4	1540

XLPE insulated, PVC sheathed, multi core screened power cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
5 x 2.5 rm / 2.5	7 x 0.67	0.7	1.8	16.2	395
7 x 2.5 rm / 2.5	7 x 0.67	0.7	1.8	17.4	476
10 x 2.5 rm / 4	7 x 0.67	0.7	1.8	20.6	630
12 x 2.5 rm / 4	7 x 0.67	0.7	1.8	21.4	700
16 x 2.5 rm / 6	7 x 0.67	0.7	1.8	23.1	850
19 x 2.5 rm / 6	7 x 0.67	0.7	1.8	24.4	974
24 x 2.5 rm / 10	7 x 0.67	0.7	1.8	28.0	1184
27 x 2.5 rm / 10	7 x 0.67	0.7	1.9	28.6	1310
30 x 2.5 rm / 10	7 x 0.67	0.7	2.0	29.4	1410
37 x 2.5 rm / 10	7 x 0.67	0.7	2.1	31.6	1670
48 x 2.5 rm / 10	7 x 0.67	0.7	2.2	36.0	2090

A partner you can trust

Group 2
Fire Resistant Cable
(Mica-glass tape + XLPE insulation)

Mica-glass tape, XLPE insulated, LSFOH sheathed, fire resistant cable, 0.6/1 kV

Cu / MGT / XLPE / LSFOH / LSFOH

Application:

- These cables can be used for electricity supply and control in public networks and industrial plants or public buildings, where people are potentially endangered in case of fire and where, for a defined period of time, the continuity of control and energy supply is of vital necessity.

Standard:

- IEC 60502-1
- ISIRI 3569-1
- BS 7846

Construction:

- Plain or tinned annealed copper stranded class 2.
- Mica-glass tape.
- XLPE insulation.
- Cores twisted together, if necessary in concentric layers.
- Extruded filler of low smoke, halogen free, flame retardant-LSFOH.
- Low smoke, halogen free, flame retardant-LSFOH sheath.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 90°C.
- Resitant to fire.
- Low smoke and acid gas emission.

Mica-glass tape, XLPE insulated, LSFOH sheathed, fire resistant cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	kg/km
2 x 1.5 rm	7 x 0.53	0.7	1.8	12.4	170
2 x 2.5 rm	7 x 0.67	0.7	1.8	13.2	230
2 x 4 rm	7 x 0.85	0.7	1.8	14.4	282
2 x 6 rm	7 x 1.040	0.7	1.8	15.4	344
3 x 1.5 rm	7 x 0.53	0.7	1.8	13.0	222
3 x 2.5 rm	7 x 0.67	0.7	1.8	13.9	264
3 x 4 rm	7 x 0.85	0.7	1.8	15.2	332
3 x 6 rm	7 x 1.04	0.7	1.8	16.4	404
4 x 1.5 rm	7 x 0.53	0.7	1.8	14.0	242
4 x 2.5 rm	7 x 0.67	0.7	1.8	15.0	288
4 x 4 rm	7 x 0.85	0.7	1.8	16.5	378
4 x 6 rm	7 x 1.04	0.7	1.8	17.7	472
5 x 1.5 rm	7 x 0.53	0.7	1.8	15.2	286
5 x 2.5 rm	7 x 0.67	0.7	1.8	16.3	344
5 x 4 rm	7 x 0.85	0.7	1.8	18.0	424
5 x 6 rm	7 x 1.04	0.7	1.8	19.4	555
7 x 1.5 rm	7 x 0.53	0.7	1.8	16.0	300
10 x 1.5 rm	7 x 0.53	0.7	1.8	20.0	412
12 x 1.5 rm	7 x 0.53	0.7	1.8	20.6	450
19 x 1.5 rm	7 x 0.53	0.7	1.8	24.3	605
27 x 1.5 rm	7 x 0.53	0.7	1.8	28.8	796
37 x 1.5 rm	7 x 0.53	0.7	1.8	32.2	1010
48 x 1.5 rm	7 x 0.53	0.7	1.8	37.0	1250
7 x 2.5 rm	7 x 0.67	0.7	1.8	17.2	382
10 x 2.5 rm	7 x 0.67	0.7	1.8	21.6	514
12 x 2.5 rm	7 x 0.67	0.7	1.8	22.4	600
19 x 2.5 rm	7 x 0.67	0.7	1.8	26.4	810
27 x 2.5 rm	7 x 0.67	0.7	1.8	31.5	1080
37 x 2.5 rm	7 x 0.67	0.7	1.8	35.4	1370
48 x 2.5 rm	7 x 0.67	0.7	1.8	40.3	1746

Mica-glass tape, XLPE insulated, LSFOH sheathed armoured fire resistant cable, 0.6/1 kV

Cu / MGT / XLPE / LSFOH / SWA / LSFOH

Application:

- These cables can be used for electricity supply and control in public networks and industrial plants or public buildings, where people are potentially endangered in case of fire and where, for a defined period of time, the continuity of control and energy supply is of vital necessity.

Standard:

- IEC 60502-1
- ISIRI 3569-1
- BS 7846

Construction:

- Plain or tinned annealed copper stranded class 2.
- Mica-glass tape.
- XLPE insulation.
- Cores twisted together, if necessary in concentric layers.
- Extruded of low smoke, halogen free, flame retardant-LSFOH.
- Galvanized steel wire armour.
- Low smoke, halogen free, flame retardant-LSFOH sheath.

General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 90°C.
- Resistant to fire.
- Low smoke and acid gas emission.

Mica-glass tape, XLPE insulated, LSFOH sheathed armoured fire resistant cable, 0.6/1 kV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Insulation thickness	Armour wire diameter	Sheath thickness	Overall diameter	Weight Approx.
mm^2	mm	mm	mm	mm	mm	kg/km
2 x 1.5 rm	7 x 0.53	0.7	0.9	1.8	15.4	390
2 x 2.5 rm	7 x 0.67	0.7	0.9	1.8	16.0	420
2 x 4 rm	7 x 0.85	0.7	0.9	1.8	17.4	500
2 x 6 rm	7 x 1.04	0.7	1.2	1.8	18.4	570
3 x 1.5 rm	7 x 0.53	0.7	0.9	1.8	16.0	410
3 x 2.5 rm	7 x 0.67	0.7	0.9	1.8	16.8	465
3 x 4 rm	7 x 0.85	0.7	1.2	1.8	18.4	580
3 x 6 rm	7 x 1.04	0.7	1.2	1.8	19.5	670
4 x 1.5 rm	7 x 0.53	0.7	0.9	1.8	16.8	570
4 x 2.5 rm	7 x 0.67	0.7	1.2	1.8	17.8	526
4 x 4 rm	7 x 0.85	0.7	1.2	1.8	19.5	670
4 x 6 rm	7 x 1.04	0.7	1.2	1.8	21.6	900
5 x 1.5 rm	7 x 0.53	0.7	0.9	1.8	18.2	540
7 x 1.5 rm	7 x 0.53	0.7	1.2	1.8	19.5	650
10 x 1.5 rm	7 x 0.53	0.7	1.2	1.8	24.3	830
12 x 1.5 rm	7 x 0.53	0.7	1.6	1.8	25.0	1070
19 x 1.5 rm	7 x 0.53	0.7	1.6	1.8	28.5	1380
27 x 1.5 rm	7 x 0.53	0.7	1.6	1.9	34.0	1980
37 x 1.5 rm	7 x 0.53	0.7	2.0	1.9	38.4	2520
48 x 1.5 rm	7 x 0.53	0.7	2.0	2.0	43.6	3040
5 x 2.5 rm	7 x 0.67	0.7	0.9	1.8	19.3	620
7 x 2.5 rm	7 x 0.67	0.7	1.2	1.8	21.8	830
10 x 2.5 rm	7 x 0.67	0.7	1.6	1.8	26.4	1140
12 x 2.5 rm	7 x 0.67	0.7	1.6	1.8	27.2	1250
19 x 2.5 rm	7 x 0.67	0.7	1.6	1.8	32.6	1840
27 x 2.5 rm	7 x 0.67	0.7	2.0	1.8	37.6	2520
37 x 2.5 rm	7 x 0.67	0.7	2.0	1.9	42.0	3100
48 x 2.5 rm	7 x 0.67	0.7	2.0	2.1	48.5	4140

Group 3
Automotive Cable

PVC insulated, non-sheathed cable for automotive, AV

A: Low-tension cable for automobiles.
V: Vinyl insulated.

Application:
- Wire harness of low-tension electric circuits for automobiles and motorcycles.

Standard:
- JIS C 3406
- KS C 3311

Construction:
- Plain or tinned annealed stranded copper conductor.
- PVC insulated type T1.

General specification:
- Working temperature: Max. 80°C.
- Resistant to oil, abrasion, cold and flame.
- Excellent flexibility.
- Available in colors and stripes.

PVC insulated, non-sheathed cable for automotive, AV

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter	Weight Approx.	Current limit** Nom.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	kg/km	A	Ω/km
0.5f*	20 x 0.18	1.0	0.6	2.2	8	12	36.7
0.5	7 x 0.32	1.0	0.6	2.2	9	12	32.7
0.75f	30 x 0.18	1.2	0.6	2.4	12	15	24.4
0.85f	34 x 0.18	1.2	0.6	2.4	12	16	20.8
0.85	11 x 0.32	1.2	0.6	2.4	12	16	21.6
1.25f	50 x 0.18	1.5	0.6	2.7	17	21	14.7
1.25	16 x 0.32	1.5	0.6	2.7	17	20	14.3
2f	37 x 0.26	1.8	0.6	3.0	25	27	9.50
2	26 x 0.32	1.9	0.6	3.1	25	28	8.81
3	41 x 0.32	2.4	0.7	3.8	39	38	5.59
5	65 x 0.32	3.0	0.8	4.6	60	51	3.52
8	50 x 0.45	3.7	0.9	5.5	90	66	2.32
10	63 x 0.45	4.5	1.0	6.5	120	80	1.75
15	84 x 0.45	5.4	1.1	7.6	150	92	1.38
20	41 x 0.80	6.1	1.1	8.3	220	121	0.887
30	70 x 0.80	8.0	1.4	10.8	390	168	0.520
40	85 x 0.80	8.6	1.4	11.4	460	188	0.428

*: The "f" indicates a flexible conductor with a finer wire diameter.

**: Current limit is for conductor temperature of 80°C (maximum allowable temperature) and ambient temperature of 40°C.

Thin-wall PVC insulated, non-sheathed cable for automotive, AVS

A: Low-tension cable for automobiles.
V: Vinyl insulated.
S: Thin-wall type.

Application:
- Wire harness of low-tension electric circuits for automobiles and motorcycles.

Standard:
- JASO D 611

Construction:
- Plain or tinned annealed stranded copper conductor.
- PVC insulation type T1.

General specification:
- Working temperature: Max. 80°C.
- Resistant to oil, abrasion, cold and flame.
- Excellent flexibility.
- Available in colors and stripes.

Thin-wall PVC insulated, non-sheathed cable for automotive, AVS

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter	Weight Approx.	Current limit** Nom.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	kg/km	A	Ω/km
0.3f *	15 x 0.18	0.8	0.5	1.8	6	9	48.9
0.3	7 x 0.26	0.8	0.5	1.8	6	9	50.2
0.5f	20 x 0.18	1.0	0.5	2.1	8	11	36.7
0.5	7 x 0.32	1.0	0.5	2.0	9	12	32.7
0.75f	30 x 0.18	1.2	0.5	2.2	11	14	24.4
0.85f	34 x 0.18	1.2	0.5	2.2	12	15	21.6
0.85	16 x 0.26	1.2	0.5	2.2	12	15	22.8
0.85	11 x 0.32	1.2	0.5	2.2	12	15	20.8
1.25f	50 x 0.18	1.5	0.5	2.5	16	20	14.7
1.25	16 x 0.32	1.5	0.5	2.5	16	20	14.3
2f	37 x 0.26	1.8	0.5	2.9	23	26	9.50
2	26 x 0.32	1.9	0.5	2.9	24	27	8.81
3	41 x 0.32	2.4	0.6	3.6	38	37	5.59
5	65 x 0.32	3.0	0.7	4.4	59	50	3.52

*: The "f" indicates a flexible conductor with a finer wire diameter.

**: Current limit is for conductor temperature of 80°C (maximum allowable temperature) and ambient temperature of 40°C.

Very thin-wall PVC insulated, non-sheathed cable for automotive, AVSS

A: Low-tension cable for automobiles
V: Vinyl insulated
SS: Very thin-wall type

Application:
- Wire harness of low-tension electric circuits for automobiles and motorcycles.

Standard:
- JASO D 611

Construction:
- Plain or tinned annealed stranded copper conductor.
- PVC insulation type T1.

General specification:
- Working temperature: Max. 80°C.
- Resistant to oil, abrasion, cold and flame.
- Excellent flexibility.
- Available in colors and stripes.

Very thin-wall PVC insulated, non-sheathed cable for automotive, AVSS

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter	Weight Approx.	Current limit** Nom.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	kg/km	A	Ω/km
0.3f*	19 x 0.16	0.8	0.3	1.4	5	8	48.8
0.3	7 x 0.26	0.8	0.3	1.4	5	8	50.2
0.5f	19 x 0.19	1.0	0.3	1.6	7	10	36.7
0.5	7 x 0.32	1.0	0.3	1.6	7	11	32.7
0.75f	19 x 0.23	1.2	0.3	1.8	10	14	24.4
0.85f	37 x 0.17	1.2	0.3	1.8	10	14	21.7
0.85	19 x 0.24	1.2	0.3	1.8	10	14	21.7
1.25f	37 x 0.21	1.5	0.3	2.1	14	19	14.7
1.25	19 x 0.29	1.5	0.3	2.1	14	19	14.9
2f	37 x 0.26	1.8	0.4	2.6	22	26	9.50
2	19 x 0.37	1.9	0.4	2.7	22	26	9.00

*: The "f" indicates a flexible conductor with a finer wire diameter.

**: Current limit is for conductor temperature of 80°C (maximum allowable temperature) and ambient temperature of 40°C.

Compressed ultra thin-wall PVC insulated, non-sheathed cable for automotive, CAVUS

C: Compressed conductor.
A: Low-tension cable for automobiles.
V: Vinyl insulated.
US: Ultra thin-wall type.

Application:
- Wire harness of low-tension electric circuits for automobiles and motorcycles.

Standard:
- JASO D 611

Construction:
- Compressed plain or tinned annealed stranded copper conductor.
- PVC insulation type T1.

General specification:
- Working temperature: Max. 80°C.
- Resistant to oil, abrasion, cold and flame.
- Excellent flexibility.
- Available in colors and stripes.

Compressed ultra thin-wall PVC insulated, non-sheathed cable for automotive, CAVUS

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter	Weight Approx.	Current limit * Nom.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	kg/km	A	Ω/km
0.3	7/ circular compressed	0.7	0.2	1.1	4	8	50.2
0.5	7/ circular compressed	0.9	0.2	1.3	6	10	32.7
0.85	11/ circular compressed	1.1	0.2	1.5	9	14	20.8
1.25	16/ circular compressed	1.4	0.2	1.8	13	18	14.30

*: Current limit is for conductor temperature of 80°C (maximum allowable temperature) and ambient temperature of 40°C.

PVC insulated, non-sheathed cable for automotive, EB & HDEB

EB: Grounding Band.
HD: Heavy Duty.

Application:
- Low voltage battery cable for automobiles and motorcycles.

Standard:
- JASO D611

Construction:
- Plain or tinned annealed stranded complex copper conductor.
- PVC insulated type T1.

General specification:
- Resistant to oil, abrasion, cold and flame.
- Excellent flexibility.
- Thicker type provides increased mechanical strength.

PVC insulated, non-sheathed cable for automotive, EB & HDEB

EB

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	kg/km	Ω/km
5	7 x 9 x 0.32	3.1	0.6	4.3	57	3.58
9	7 x 16 x 0.32	4.2	0.6	5.4	99	2.00
15	19 x 9 x 0.32	5.3	0.6	6.5	150	1.32
20	19 x 13 x 0.32	6.5	0.6	7.7	210	0.915

HDEB

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter	Weight Approx.	Conductor resistance at 20°C Max.
mm^2	mm	mm	mm	mm	kg/km	Ω/km
9	7 x 16 x 0.32	4.2	1.0	6.2	109	2.00
15	19 x 9 x 0.32	5.3	1.1	7.5	161	1.32
20	19 x 13 x 0.32	6.5	1.1	8.7	225	0.915

Spiral shielded cable for automotive

Application:

- Cable used for low voltage circuits in automobiles (vehicles and motorcycles); especially for applications where shielding of cable is required as in sensor leads and electronic circuits.

Construction:

- Annealed stranded copper conductor.
- PVC insulation, type T1.
- Spiral shield annealed copper conductor.
- PVC sheath type T1.

General specification:

- Working temperature: Max. 80°C.
- Code designation: ASSSH*.

*: Heat resistant cable, SH-SH can be supplied upon request.

Spiral shielded cable for automotive

Cross-sectional area Nom.	No. of wires x diameter Nom.	Stranding outer diameter	Shield		Sheath		Weight Approx.	Conductor resistance at 20°C Max.
			Wire diameter	Overall diameter	Thickness	Overall diameter		
mm^2	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
1C x 0.3	7 x 0.26	-	0.12	1.64	0.50	2.64	13	50.2
1C x 0.5	7 x 0.32	-	0.12	1.84	0.50	2.84	16	32.7
1C x 1.25	19 x 0.29	-	0.12	2.34	0.50	3.34	26	14.9
2C x 0.3	7 x 0.26	2.80	0.12	3.04	0.50	4.04	24	50.2
2C x 0.5	7 x 0.32	3.20	0.12	3.44	0.50	4.44	30	32.7
2C x 0.85	19 x 0.24	3.60	0.12	3.84	0.50	4.84	38	21.7
2C x 1.25	19 x 0.29	4.20	0.12	4.44	0.50	5.44	50	14.9
2C x 2	37 x 0.26	5.20	0.12	5.44	0.50	6.44	69	9.50
3C x 0.3	7 x 0.26	3.02	0.12	3.26	0.50	4.26	30	50.2
3C x 0.5	7 x 0.32	3.45	0.12	3.69	0.50	4.69	39	32.7
3C x 0.85	19 x 0.24	3.88	0.12	4.12	0.50	5.12	51	21.7
3C x 1.25	19 x 0.29	4.53	0.12	4.77	0.50	5.77	67	14.9
4C x 0.3	7 x 0.26	3.38	0.12	3.62	0.50	4.62	37	50.2
4C x 0.5	7 x 0.32	3.86	0.12	4.10	0.50	5.10	48	32.7
5C x 0.3	7 x 0.26	3.78	0.12	4.02	0.50	5.02	46	50.2
5C x 0.5	7 x 0.32	4.32	0.12	4.56	0.50	5.56	60	32.7
6C x 0.3	7 x 0.26	4.20	0.12	4.44	0.50	5.44	54	50.2
6C x 0.5	7 x 0.32	4.80	0.12	5.04	0.50	6.04	71	32.7
8C x 0.3	7 x 0.26	5.10	0.12	5.34	0.50	6.34	71	50.2
8C x 0.5	7 x 0.32	5.78	0.12	6.02	0.50	7.02	93	32.7

Metal-leaf shielded cable for automotive

Application:

- Cable used for low voltage circuits in automobiles (vehicles and motorcycles); especially for applications where shielding of cable is required as in sensor leads and electronic circuits.

Construction:

- Annealed stranded copper conductor.
- PVC insulation, type T1.
- Aluminum foil.
- PVC sheath type T1.

General specification:

- Working temperature: Max. 80°C.
- Code designation: LE-SS*.

*: Heat resistant cable, LE-SH can be supplied upon request.

Metal-leaf shielded cable for automotive

Cross-sectional area Nom.	No. of wires x diameter Nom.	Stranding outer diameter	Shield		Sheath		Weight Approx.	Conductor resistance at 20°C Max.
			Wire diameter	Overall diameter	Thickness	Overall diameter		
mm^2	mm	mm	Mm	mm	mm	mm	kg/km	Ω/km
1C x 0.5	7 x 0.32	-	0.05	2.60	0.55	3.70	19	32.7
1C x 1.25	19 x 0.29	-	0.05	3.10	0.60	4.30	29	14.9
2C x 0.3	7 x 0.26	2.80	0.05	2.90	0.60	4.10	24	50.2
2C x 0.5	7 x 0.32	3.20	0.05	3.30	0.60	4.50	29	32.7
2C x 0.85	19 x 0.24	3.60	0.05	3.70	0.60	4.90	37	21.7
2C x 1.25	19 x 0.29	4.20	0.05	4.30	0.60	5.50	48	14.9
3C x 0.3	7 x 0.26	3.02	0.05	3.12	0.59	4.30	29	50.2
3C x 0.5	7 x 0.32	3.45	0.05	3.55	0.73	5.00	40	32.7
4C x 0.3	7 x 0.26	3.38	0.05	3.48	0.66	4.80	37	50.2
4C x 0.5	7 x 0.32	3.86	0.05	3.96	0.82	5.60	51	32.7
5C x 0.3	7 x 0.26	3.78	0.05	3.88	0.91	5.70	50	50.2
5C x 0.5	7 x 0.32	4.32	0.05	4.42	0.91	6.24	63	32.7
6C x 0.3	7 x 0.26	4.20	0.05	4.30	0.75	5.80	53	50.2
6C x 0.5	7 x 0.32	4.80	0.05	4.90	0.75	6.40	69	32.7
6C x 0.85	19 x 0.24	5.40	0.05	5.50	0.60	6.70	87	21.7
7C x 0.3	7 x 0.26	4.20	0.05	4.30	0.75	5.80	56	50.2
8C x 0.3	7 x 0.26	5.10	0.05	5.20	0.75	6.70	70	50.2

PVC insulated, non-sheathed cable for automotive, T2 IR (class B)

Application:
- Wire harness of low-tension electric circuits for automobiles and motorcycles.

Standard:
- PSA B25 1110
- ISO 6722

Construction:
- Plain or tinned annealed stranded copper conductor.
- PVC insulation type T2.

General specification:
- Rated voltage: up to 50 V.
- Working temperature: -40 to +100°C.
- Resistant to heat, cold, abrasion, flame and chemicals.
- Excellent flexibility.
- Available in colors.

PVC insulated, non-sheathed cable for automotive, T2 IR (class B)

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter		Weight Approx.	Conductor resistance at 20°C	
				Min.	Max.		Min.	Max.
mm^2	mm	mm	mm	mm	mm	kg/km	Ω/km	Ω/km
0.22	7 x 0.20	0.61	0.22	1.15	1.25	3	77.90	84.80
0.35	7 x 0.25	0.77	0.22	1.25	1.40	4	50.00	54.40
0.5	16 x 0.20	0.93	0.28	1.40	1.70	6	34.10	37.10
0.75	24 x 0.20	1.14	0.30	1.70	1.90	9	22.70	24.70
1	32 x 0.20	1.31	0.30	1.99	2.15	12	17.00	18.50
1.5	30 x 0.25	1.59	0.30	2.10	2.40	16	11.70	12.70
2	37 x 0.25	1.76	0.35	2.50	2.80	21	8.66	9.42
2.5	50 x 0.25	2.05	0.35	2.65	3.00	25	6.99	7.60
3	44x 0.30	2.31	0.40	3.25	3.45	33	5.66	6.15
4	56 x 0.30	2.60	0.40	3.70	3.90	43	4.33	4.71
5	70 x 0.30	2.91	0.40	3.80	4.00	49	3.62	3.94
6	84 x 0.30	3.19	0.40	4.20	4.50	70	2.89	3.14
7	105 x 0.30	3.57	0.48	4.76	5.00	73	2.50	2.72

PVC insulated, non-sheathed cable for automotive, T2 ID (class B)

Application:

- Wire harness of low-tension electric circuits for automobiles and motorcycles.

Standard:

- PSA B25 1110
- ISO 6722

Construction:

- Plain or tinned annealed stranded copper conductor.
- PVC insulation type T2.

General specification:

- Rated voltage: up to 50 V.
- Working temperature: -40 to +100°C.
- Resistant to heat, cold, abrasion, flame and chemicals.
- Excellent flexibility.
- Available in colors.

PVC insulated, non-sheathed cable for automotive, T2 ID (class B)

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter		Weight Approx.	Conductor resistance at 20°C	
				Min.	Max.		Min.	Max.
mm^2	mm	mm	mm	mm	mm	Kg/km	Ω/km	Ω/km
0.22	7 x 0.20	0.61	0.20	1.15	1.20	3	77.90	84.80
0.35	7 x 0.25	0.77	0.20	1.25	1.35	4	50.00	54.40
0.5	16 x 0.20	0.93	0.20	1.40	1.60	6	34.10	37.10
0.75	24 x 0.20	1.14	0.20	1.60	1.80	8	22.70	24.70
1	32 x 0.20	1.31	0.25	1.75	1.95	11	17.00	18.50
1.5	30 x 0.25	1.59	0.25	2.10	2.25	15	11.70	12.70
2	37 x 0.25	1.76	0.25	2.30	2.50	19	8.66	9.42
2.5	50 x 0.25	2.05	0.30	2.70	2.90	25	6.99	7.60
3	44x 0.30	2.31	0.30	3.00	3.20	31	5.66	6.15
4	56 x 0.30	2.60	0.30	3.40	3.70	41	4.33	4.71
5	70 x 0.30	2.91	0.30	3.70	3.90	48	3.62	3.94
6	84 x 0.30	3.19	0.35	4.10	4.30	60	2.89	3.14
7	105 x 0.30	3.57	0.35	4.30	4.60	70	2.50	2.72

PVC insulated, non-sheathed cable for automotive, T3 IR (class C)

Application:
- Wire harness of low-tension electric circuits for automobiles and motorcycles.

Standard:
- PSA B25 1110
- ISO 6722

Construction:
- Plain or tinned annealed stranded copper conductor.
- PVC insulation type T3.

General specification:
- Rated voltage: up to 50 V.
- Working temperature: -40 to +125°C.
- Resistant to heat, cold, abrasion, flame and chemicals.
- Excellent flexibility.
- Available in colors.

PVC insulated, non-sheathed cable for automotive, T3 IR (class C)

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter		Weight Approx.	Conductor resistance at 20°C	
				Min.	Max.		Min.	Max.
mm^2	mm	mm	mm	mm	mm	kg/km	Ω/km	Ω/km
0.22	7 x 0.20	0.61	0.20	1.15	1.20	1.20	77.90	84.80
0.35	7 x 0.25	0.77	0.20	1.25	1.35	1.35	50.00	54.40
0.5	16 x 0.20	0.93	0.20	1.40	1.60	1.60	34.10	37.10
0.75	24 x 0.20	1.14	0.20	1.60	1.80	1.80	22.70	24.70
1	32 x 0.20	1.31	0.25	1.75	1.95	1.95	17.00	18.50
1.5	30 x 0.25	1.59	0.25	2.10	2.25	2.25	11.70	12.70
2	37 x 0.25	1.76	0.25	2.30	2.50	2.50	8.66	9.42
2.5	50 x 0.25	2.05	0.30	2.70	2.90	2.90	6.99	7.60
3	44 x 0.30	2.31	0.30	3.00	3.20	3.20	5.66	6.15
4	56 x 0.30	2.60	0.30	3.40	3.70	3.70	4.33	4.71
5	70 x 0.30	2.91	0.30	3.70	3.90	3.90	3.62	3.94
6	84 x 0.30	3.19	0.35	4.10	4.30	4.30	2.89	3.14
7	105 x 0.30	3.57	0.35	4.30	4.60	4.60	2.50	2.72

PVC insulated, non-sheathed cable for automotive, T3 ID (class C)

Application:
- Wire harness of low-tension electric circuits for automobiles and motorcycles.

Standard:
- PSA B25 1110
- ISO 6722

Construction:
- Plain or tinned annealed stranded copper conductor.
- PVC insulation type T3.

General specification:
- Rated voltage: up to 50 V.
- Working temperature: -40 to +125°C.
- Resistant to heat, cold, abrasion, flame and chemicals.
- Excellent flexibility.
- Available in colors.

PVC insulated, non-sheathed cable for automotive, T3 ID (class C)

Cross-sectional area Nom.	No. of wires x diameter Nom.	Conductor diameter	Insulation thickness	Overall diameter		Weight Approx.	Conductor resistance at 20°C	
				Min.	Max.		Min.	Max.
mm^2	mm	mm	mm	mm	mm	kg/km	Ω/km	Ω/km
0.22	7 x 0.20	0.61	0.20	1.15	1.20	3	77.90	84.80
0.35	7 x 0.25	0.77	0.20	1.25	1.35	4	50.00	54.40
0.5	16 x 0.20	0.93	0.20	1.40	1.60	6	34.10	37.10
0.75	24 x 0.20	1.14	0.20	1.60	1.80	8	22.70	24.70
1	32 x 0.20	1.31	0.25	1.75	1.95	10	17.00	18.50
1.5	30 x 0.25	1.59	0.25	2.10	2.25	15	11.70	12.70
2	37 x 0.25	1.76	0.25	2.30	2.50	19	8.66	9.42
2.5	50 x 0.25	2.05	0.30	2.70	2.90	25	6.99	7.60
3	44 x 0.30	2.31	0.30	3.00	3.20	31	5.66	6.15
4	56 x 0.30	2.60	0.30	3.40	3.70	40	4.33	4.71
5	70 x 0.30	2.91	0.30	3.70	3.90	47	3.62	3.94
6	84 x 0.30	3.19	0.35	4.10	4.30	60	2.89	3.14
7	105 x 0.30	3.57	0.35	4.30	4.60	70	2.50	2.72

Group 4
Telecommunication Cable

Jumper wire

Application:

- These wires are used for telephone wiring and signal installation in premises

Standard:

- VDE 0815
- VDE 0812

Construction:

- Plain or tinned annealed copper conductor class 1.
- PVC insulation, type YI 1 for jumper wires type Y.
- PVC insulation, type YI 3 for jumper wires type YV.

Jumper wire Y

Number of wires and conductor / core diameter	Insulation thickness	Overall diameter	Weight Approx.	Operating voltage Peak value	Conductor resistance at 20°C Max.
mm	mm	mm	kg/km	V	Ω/km
1 x 0.6 / 1.4	0.4	1.4	4.2	600	65.0
2 x 0.6 / 1.4	0.4	2.8	8.5	600	65.0
3 x 0.6 / 1.4	0.4	3.0	12.8	600	65.0
4 x 0.6 / 1.4	0.4	3.4	17.0	600	65.0
5 x 0.6 / 1.4	0.4	3.8	21.4	600	65.0
1 x 0.8 / 1.6	0.4	1.6	6.5	600	36.6
2 x 0.8 / 1.6	0.4	3.2	13.3	600	36.6
3 x 0.8 / 1.6	0.4	3.4	19.9	600	36.6
4 x 0.8 / 1.6	0.4	3.9	26.5	600	36.6
5 x 0.8 / 1.6	0.4	4.3	33.2	600	36.6

Jumper wire YV

Number of wires and conductor / core diameter	Insulation thickness	Overall diameter	Weight Approx.	Operating voltage Peak value	Conductor Resistance at 20°C Max.
mm	mm	mm	kg/km	V	Ω/km
1 x 0.5 / 0.9	0.2	0.9	2.5	500	92.2
2 x 0.5 / 0.9	0.2	1.8	5.0	500	95
3 x 0.5 / 0.9	0.2	2.0	7.5	500	95
4 x 0.5 / 0.9	0.2	2.2	10.0	500	95
1 x 0.5 / 1.1	0.3	1.1	3.0	900	92.2
2 x 0.5 / 1.1	0.3	2.2	6.0	900	95
1 x 0.6 / 1.1	0.25	1.1	3.7	900	64
2 x 0.6 / 1.1	0.25	2.2	7.5	900	66
3 x 0.6 / 1.1	0.25	2.4	11.0	900	66
4 x 0.6 / 1.1	0.25	2.7	15.0	900	66
5 x 0.6 / 1.1	0.25	3.0	19.0	900	66
1 x 0.6 / 1.4	0.4	1.4	4.5	900	65
2 x 0.6 / 1.4	0.4	2.8	9.0	900	66
3 x 0.6 / 1.4	0.4	3.0	13.5	900	66
4 x 0.6 / 1.4	0.4	3.4	18.0	900	66
5 x 0.6 / 1.4	0.4	3.8	23.0	900	66
1 x 0.8 / 1.4	0.3	1.4	6.0	900	36
2 x 0.8 / 1.4	0.3	2.8	12.0	900	36.7
1 x 1.0 / 1.8	0.4	1.8	10.0	900	22.8
2 x 1.0 / 1.8	0.4	3.6	20.0	900	23.3
1 x 1.4 / 2.2	0.4	2.2	17.5	900	11.6
1 x 1.8 / 2.8	0.5	2.8	28.0	1500	7.1

PVC insulated, PVC sheathed, telephone cable, JYY

Application:

- For telephone signal transmission lines and controlled connecting lines of computers, controlling low voltage equipment & instruments.

Standard:

- IEC 60189
- VDE 0815

Construction:

- Solid plain or tinned annealed copper conductor.
- Bare copper conductor (optional).
- PVC insulation, type TI 1.
- PVC sheath type TM 1.

General specification:

- Working temperature: Max. 70°C.
- Code designation: JYY.

PVC insulated, PVC sheathed, telephone cable, JYY

Number of pairs	Conductor diameter	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
	mm	mm	mm	mm	kg/km
2	0.5	0.2	0.8	4.6	23
4	0.5	0.2	0.8	5.8	37
6	0.5	0.2	1.0	7.0	54
8	0.5	0.2	1.0	7.6	72
10	0.5	0.2	1.0	8.2	86
15	0.5	0.2	1.0	9.8	120
20	0.5	0.2	1.0	10.9	153
30	0.5	0.2	1.2	11.5	195

PVC insulated, PVC sheathed, telephone cable, JY (St) Y

Application:

- For transmitting analogue or digital signals of telephone cables as well as standard modems of postal services, communication and paging systems, access control, time and data control systems. Not for laying underground.

Standard:

- VDE 0815
- TCI specification

Construction:

- Solid plain or tinned annealed copper conductor.
- PVC insulation , type TI 1 , YJ 1.
- Polyester type.
- Aluminum foil.
- PVC sheath type TM 1, YM 1.

General specification:

- Working temperature: Max. 70°C.
- Code designation: JY (St) Y.

PVC insulated, PVC sheathed, telephone cable, JY (St) Y

Cable size	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
	mm	mm	mm	kg/km
2 x 2 x 0.6	0.2	0.6	4.8	35
4 x 2 x 0.6	0.2	0.6	5.9	54
6 x 2 x 0.6	0.2	0.6	6.7	71
8 x 2 x 0.6	0.2	0.6	7.4	88
10 x 2 x 0.6	0.2	0.6	8.0	105
15 x 2 x 0.6	0.2	1.0	9.3	145
20 x 2 x 0.6	0.2	1.0	10.4	184
25 x 2 x 0.6	0.2	1.1	12.0	250
30 x 2 x 0.6	0.2	1.2	12.7	273
40 x 2 x 0.6	0.2	1.2	14.2	350
50 x 2 x 0.6	0.2	1.2	15.6	426
70 x 2 x 0.6	0.2	1.4	18.4	592
100 x 2 x 0.6	0.2	1.4	21.4	686
2 x 2 x 0.8	0.25	1.0	5.6	48
4 x 2 x 0.8	0.25	1.0	7.0	79
6 x 2 x 0.8	0.25	1.0	8.0	108
8 x 2 x 0.8	0.25	1.0	9.0	136
10 x 2 x 0.8	0.25	1.0	9.8	163
15 x 2 x 0.8	0.25	1.2	11.9	240
20 x 2 x 0.8	0.25	1.2	13.3	307
30 x 2 x 0.8	0.25	1.2	15.7	438
40 x 2 x 0.8	0.25	1.2	17.7	567
50 x 2 x 0.8	0.25	1.4	19.9	712
70 x 2 x 0.8	0.25	1.4	23.0	967
100 x 2 x 0.8	0.25	1.4	26.9	1129

PE insulated, PE sheathed, telephone cable, A2Y (St) 2Y

Application:

- For transmission of signals in external networks, in open spaces or underground laying.

Standard:

- TCI specification.
- VDE 0816

Construction:

- Solid plain annealed copper conductor.
- PE insulation type III, class B, category 4 or 5 & grade E8 ASTM D 1248.
- Polyester tape.
- Aluminum foil.
- PE sheath type I, class C, category 4 or 5 & grade J3 ASTM D 1248.

General specification:

- Working temperature: Max. 70°C.
- Code designation: A2Y (St) 2Y.

PE insulated, PE sheathed, telephone cable, A2Y (St) 2Y

Cable size	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
	mm	mm	mm	kg/km
2 x 2 x 0.4	0.18	1.0	4.2	26
4 x 2 x 0.4	0.18	1.0	5.0	43
6 x 2 x 0.4	0.18	1.0	5.6	50
8 x 2 x 0.4	0.18	1.0	6.1	61
10 x 2 x 0.4	0.18	1.0	6.6	73
2 x 2 x 0.6	0.21	1.0	5.1	30
4 x 2 x 0.6	0.21	1.0	6.4	47
6 x 2 x 0.6	0.21	1.0	7.3	66
8 x 2 x 0.6	0.21	1.0	8.1	85
10 x 2 x 0.6	0.21	1.0	8.8	104
15 x 2 x 0.6	0.21	1.1	9.8	127
20 x 2 x 0.6	0.21	1.2	11.5	171
25 x 2 x 0.6	0.21	1.2	12.5	209
30 x 2 x 0.6	0.21	1.2	14.0	253
40 x 2 x 0.6	0.21	1.2	15.7	326
50 x 2 x 0.6	0.21	1.2	17.3	399
70 x 2 x 0.6	0.21	1.4	20.4	555
100 x 2 x 0.6	0.21	1.4	23.8	771
2 x 2 x 0.8	0.3	1.0	5.8	41
4 x 2 x 0.8	0.3	1.0	7.4	69
6 x 2 x 0.8	0.3	1.0	8.5	96
10 x 2 x 0.8	0.3	1.2	10.7	153
20 x 2 x 0.8	0.3	1.2	14.1	280
30 x 2 x 0.8	0.3	1.2	16.7	404
40 x 2 x 0.8	0.3	1.4	19.3	538
50 x 2 x 0.8	0.3	1.4	21.2	660
70 x 2 x 0.8	0.3	1.4	24.5	902
100 x 2 x 0.8	0.3	1.6	29.1	1279

PE insulated, PE sheathed, telephone cable, A2Y (L) 2Y-T

Application:

- These types of cables are principally suitable for installation in overhead lines so that the messenger part of the cables is fixed with a clamp installed on a mast.

Standard:

- TCI specification

Construction:

- Bare copper, solid and annealed, with smooth and uniform surface.
- PE insulation type III, class B, category 4 or 5 & grade E8 ASTM D 1248.
- Polyester tape.
- Aluminum foil.
- Suspension strand of galvanized steel wires as messenger.
- PE sheath type, III class C, category 4 or 5 & grade J3 ASTM D 1248.

General specification:

- Working temperature: Max. 70°C.
- Code designation: A2Y (L) 2Y-T

PE insulated, PE sheathed, telephone cable, A2Y(L)2Y-T

Cable size	Insulation thickness	Suspension strand	Sheath thickness		Cable diameter		Weight Approx.
		No. of Wires X diameter Nom.	On susp. strand	Cable core	Min.	Max.	
	mm	mm	mm	mm	mm	mm	kg/km
10 x 2 x 0.4	0.18	7 x 0.9	1.52	1.14	5.4	13.7	127
20 x 2 x 0.4	0.18	7 x 0.9	1.52	1.14	7.2	15.2	167
30 x 2 x 0.4	0.18	7 x 0.9	1.52	1.14	8.6	16.6	205
40 x 2 x 0.4	0.18	7 x 0.9	1.52	1.14	9.6	17.8	242
50 x 2 x 0.4	0.18	7 x 1.2	1.52	1.14	10.8	19.7	313
10 x 2 x 0.6	0.26	7 x 0.9	1.52	1.14	9.6	17.9	179
20 x 2 x 0.6	0.26	7 x 1.2	1.52	1.14	12.3	21.2	293
30 x 2 x 0.6	0.26	7 x 1.2	1.52	1.14	14.4	23.3	375
40 x 2 x 0.6	0.26	7 x 1.2	1.52	1.14	16.2	25.1	452
50 x 2 x 0.6	0.26	7 x 1.2	1.52	1.14	17.7	26.6	528
10 x 2 x 0.8	0.34	7 x 0.9	1.52	1.14	11.7	19.7	241
20 x 2 x 0.8	0.34	7 x 1.2	1.52	1.14	15.3	24.2	413
30 x 2 x 0.8	0.34	7 x 1.2	1.52	1.14	18.04	27	548
40 x 2 x 0.8	0.34	7 x 1.2	1.52	1.14	20.4	29.3	681
50 x 2 x 0.8	0.34	7 x 1.2	1.52	1.14	22.4	31.3	888

PVC insulated, PVC sheathed, telephone cable, CW1308

Application:

- For internal connection of telephone systems and other communication equipments.

Standard:

- British Telecom CW1308.

Construction:

- Solid plain or tinned annealed copper conductor.
- PVC insulation, type TI 1.
- Insulated 1.38 mm plain or tinned copper wire.
- Polyester tape & nylon binder.
- PVC sheath, type TM 1.

General specification:

- Working temperature: Max. 70°C.

PVC insulated, PVC sheathed, telephone cable, CW1308

Cable code acc. to CW1308	Number of pairs	Conductor diameter	Insulation thickness	Sheath thickness	Overall diameter	Weight Approx.
		mm	mm	mm	mm	kg/km
2402	2	0.4	0.2	0.5	3.6	14
2403	3	0.4	0.2	0.6	4.4	21
2404	4	0.4	0.2	0.6	4.9	26
2406	6	0.4	0.2	0.7	5.9	38
2410	10	0.4	0.2	0.7	6.1	52
2412	12	0.4	0.2	0.8	6.8	64
2420	20	0.4	0.2	0.8	8.3	97
2503	3	0.5	0.2	0.7	5.0	29
2504	4	0.5	0.2	0.7	5.5	36
2506	6	0.5	0.2	0.7	6.5	49
2510	10	0.5	0.2	0.7	6.7	69
2512	12	0.5	0.2	0.8	7.4	84
2515	15	0.5	0.2	0.8	8.1	102
2520	20	0.5	0.2	0.9	9.3	135

Coaxial cable

Application:

- For high frequency transmission specially in transmitters, receivers, computers, TV down leads, measuring instruments.

Standard:

- JIS C 3501
  MIL-C-17

Construction:

- Plain or tinned annealed copper or copper clad steel conductor.
- PE or PE foam insulation.
- Plain or tinned annealed copper shield.
  PVC or PE sheath.

General specification:

50 Ohm, 75 Ohm, 93 Ohm.

JIS C 3501

Type	No. of wires x diameter Nom.	Insulation diameter	Sheath thickness	Overall diameter	Weight Approx.	Attenuation at 10MHz	Impedance
	mm	mm	mm	mm	kg/km	db/km	Ω
2.5C-2V	1 x 0.4	2.40	0.5	4.0	22	52	75
3C-2V	1 x 0.5	3.10	0.8	5.4	41	42	75
3C-2W	1 x 0.5	3.10	1.0	6.5	68	42	75
3C-2T	1 x 0.5	3.10	1.0	7.4	103	42	75
3.5C-2V *	1 x 0.8	3.60	0.6	5.5	33	27	75
4.5C-2V *	1 x 1.0	4.50	0.6	6.4	46	22	75
5C-2V	1 x 0.8	4.90	0.9	7.4	71	27	75
2.5D-2V	1 x 0.8	2.70	0.5	4.4	33	45	50
3D-2V	7 x 0.32	3.20	0.8	5.4	44	47	50
3D-2W	7 x 0.32	3.20	1.0	6.5	67	47	50
5D-2V	1 x 1.4	4.80	0.9	7.3	78	27	50
5D-2W	1 x 1.4	4.80	0.9	8.0	106	27	50

★: Insulation of these cables is PE foam.

MIL – C – 17

Type	No. of wires x diameter Nom.	Insulation diameter	Sheath thickness	Overall diameter	Weight Approx.	Attenuation at 10MHz	Impedance
	mm	mm	mm	mm	kg/km	db/km	Ω
RG-6A/U	1 x 1	4.50 □	0.6	6.27	40	27	75
RG-6/U*	1 x 1	4.50 □	0.6	6.35	33	30	75
RG-6/U**	1 x 1	4.50 □	0.6	6.33	34	32	75
RG-8/U	7 x 0.72	7.40	1.0	10.3	155	6.8	50
RG-11/U	7 x 0.4	7.21	1.0	10.11	137	18	75
RG-11/U	7 x 0.4 ○	7.21	1.2	10.28	132	20	75
RG-58/U	19 x 0.18 ○	2.96	0.7	4.95	36	17	50
RG-58/U	16 x 0.2	2.93	0.6	4.67	31	20	50
RG-59/U	1 x 0.58 △	3.70	0.8	5.84	43	12	75
RG-59/U *	1 x 0.58	3.70	0.8	5.84	48	10	75
RG-62/U **	1 x 0.58	3.70	0.8	5.84	39	14	75
RG-62/U	1 x 0.63 △	3.68 □	0.8	6.00	46	11	93
RG-213	7 x 0.75	7.25	1.3	10.30	158	7.0	50

△ Inner conductor is copper clad steel.
○ Inner conductor is tinned copper.
* Braiding wire is tinned copper.
** Braiding wire is aluminium.
□ Insulation is PE foam.

Group 5
Specialty Cable

Security Alarm Cable

Application:

- Used in complex security, intercom, audio & fire alarm systems for indoor and outdoor use.

Standard:

- BS 4737

Construction:

- Stranded tinned annealed copper conductor.
- PVC insulation, type TI 1.
- Rip cord for jacket easy removal.
- PVC sheath, type TM 1.

General specification:

- Rated voltage: 300 V.
- Working temperature: Max. 70°C.

Security Alarm Cable

Number of cores	No. of wires x diameter Nom.	Insulation thickness	Sheath thickness	Overall diameter	Insulation resistance at 70°C Min.	Weight Approx.	Conductor resistance at 20°C Max.
	mm	mm	mm	mm	MΩ.km	kg/km	Ω/km
4	7 x 0.20	0.2	0.5	3.4	50	20	95
6	7 x 0.20	0.2	0.6	4.0	50	28	95
8	7 x 0.20	0.2	0.6	4.3	50	34	95
12	7 x 0.20	0.2	0.7	5.2	50	50	95

PVC insulated, winding wires for submersible motors

Application:

- For the winding of submersible pumps and motors .

Standard:

- IS 10051-1981

Construction:

- Plain annealed copper conductor class 1.
- Special PVC insulation.

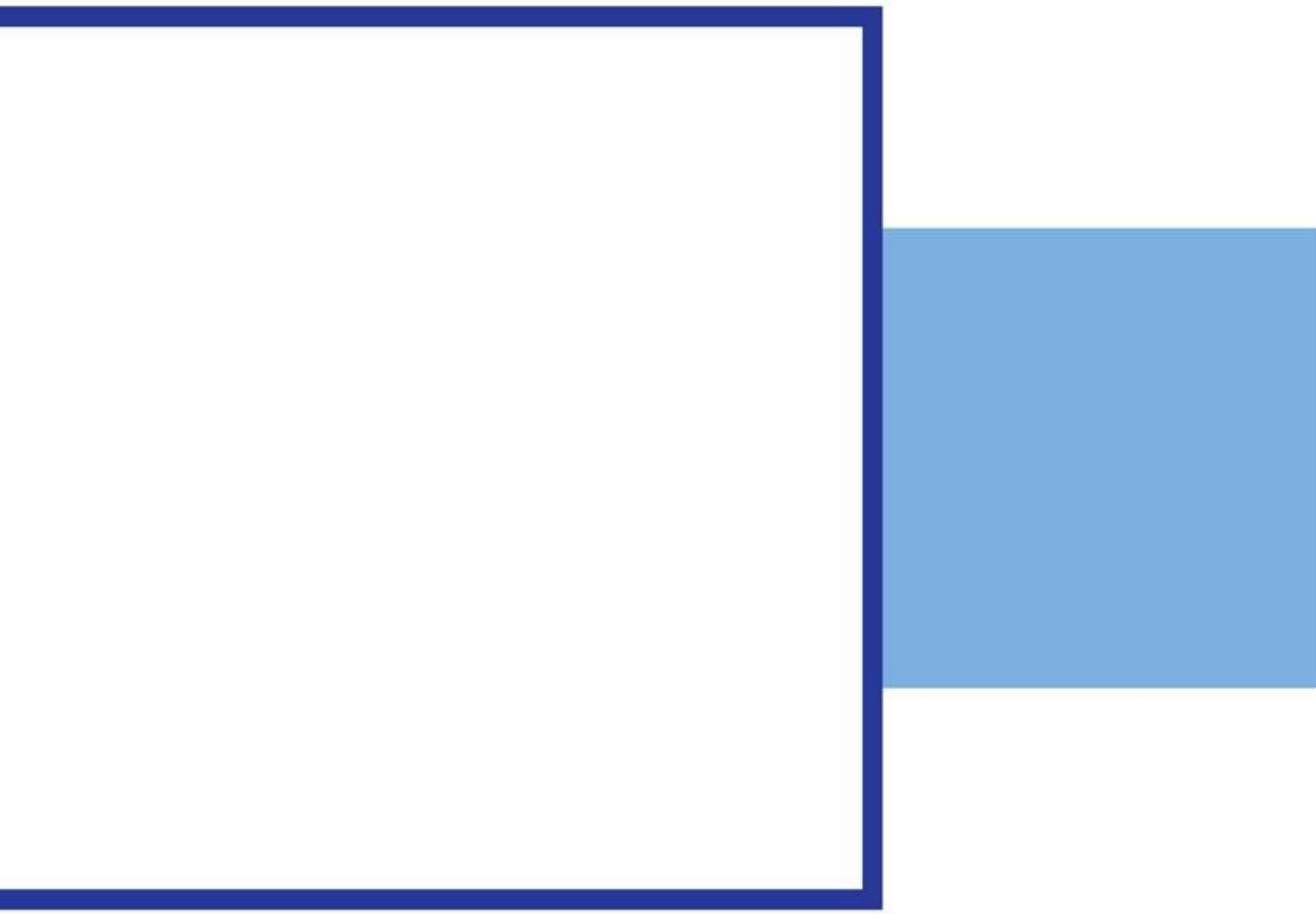
General specification:

- Working temperature: Max. 105°C.

PVC insulated, winding wires for submersible motors

No. of wires x diameter Nom.	Grade 1		Grade 2	Conductor resistance at 20°C Max.
	Insulation thickness	Overall diameter Max.	Overall diameter Max.	
mm	mm	mm	mm	Ω/km
1 x 0.50	0.30	1.23	1.35	87.81
1 x 0.56	0.30	1.29	1.41	70.00
1 x 0.63	0.30	1.36	1.48	55.31
1 x 0.71	0.35	1.56	1.68	43.55
1 x 0.75	0.35	1.60	1.72	39.03
1 x 0.80	0.35	1.65	1.77	34.30
1 x 0.85	0.35	1.70	1.82	30.38
1 x 0.90	0.35	1.75	1.87	27.10
1 x 0.95	0.35	1.80	1.92	24.32
1 x 1.00	0.35	1.85	1.97	21.95
1 x 1.06	0.35	1.91	2.03	19.54
1 x 1.12	0.35	1.97	2.09	17.50
1 x 1.18	0.40	2.15	2.27	15.77
1 x 1.25	0.40	2.22	2.34	14.05
1 x 1.32	0.40	2.29	2.41	12.60
1 x 1.40	0.40	2.37	2.49	11.20
1 x 1.50	0.40	2.48	2.60	9.757
1 x 1.60	0.40	2.58	2.70	8.575
1 x 1.70	0.40	2.68	2.80	7.596
1 x 1.80	0.40	2.78	2.90	6.775
1 x 1.90	0.40	2.88	3.00	6.081
1 x 2.00	0.45	3.10	3.22	5.488
1 x 2.12	0.45	3.22	3.34	4.884
1 x 2.24	0.45	3.34	3.46	4.375
1 x 2.36	0.50	3.58	3.70	3.941
1 x 2.50	0.50	3.73	3.85	3.512
1 x 2.65	0.50	3.88	4.00	3.126
1 x 2.80	0.65	4.39	4.51	2.800
1 x 3.00	0.65	4.59	4.71	2.439
1 x 3.15	0.80	5.10	5.22	2.212
1 x 3.35	0.80	5.30	5.42	1.956
1 x 3.55	1.00	5.99	6.23	1.742
1 x 3.75	1.00	6.19	6.43	1.561
1 x 4.00	1.00	6.44	6.68	1.372

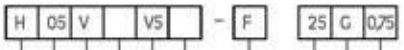
NOTE: The maximum overall diameter of wires with Grade 1 covering shall be taken as the minimum overall diameter for wires with Grade 2 covering.



Technical Information

Designation code for harmonized cables
according to DIN VDE 0281/DIN VDE 0282/DIN VDE 0292

Construction reference



Identifications of destignation
- **A** authorised national standards
- **H** harmonized standards

Nominal voltage U
- **01** 100 V
- **03** 300/300 V
- **05** 300/500 V
- **07** 450/750 V

Insulation material
- **B** (EPR) Ethylene-propylene-rubber
- **G** (EVA) Ethylene-Vinylacetat-Copolymer
- **N2** (CR) Chloroprene rubber for welding cables
- **R** (NR a./o. SR) Natural a./o. synthetic rubber
- **S** (SIR) Silicone rubber
- **V** (PVC) Polyvinyl chloride
- **V2** (PVC) Polyvinyl chloride heat-resistant
- **V3** (PVC) Polyvinyl chloride low-temperature
- **V4** (PVC) Polyvinyl chloride cross-linked
- **Z** (PE) Polyethylene cross-linked

Structural elements
- **C** Screen
- **Q4** (PA) Additional polyimide core jacket
- **T** Additional textile braiding over laid-up cores
- **T6** Additional textile braiding over individual cores

Sheath/jacket material
- **B** (EPR) Ethylene-propylene rubber
- **J** Glass fibre braid
- **N** (CR) Chloroprene rubber
- **N2** (CR) Chloroprene rubber for welding cables
- **N4** (CR) Chloroprene rubber heat-resistant
- **Q** (PUR) Polyurethane
- **R** (NR a./o. SR) Natural- a./o. synthetic rubber
- **T** Textile braid
- **T2** Textile braid with flame retardant compound
- **V** (PVC) Polyvinyl chloride
- **V2** (PVC) Polyvinyl chloride heat-resistant
- **V3** (PVC) Polyvinyl chloride low-temperature
- **V4** (PVC) Polyvinyl chloride cross-linked
- **V5** (PVC) Polyvinyl chloride oil resistant

Special structural features
- **D3** Stress-relieving elements (support wire)
- **D5** Centre core (no supporting element)
- **FM** Telecommunications cores integrated in power cables
- **H** Flat, separable cable (twin cable)
- **H2** Flat, non-separable cable (two-core sheathed cable)
- **H6** Flat, non-separable cable (multi- and multiple sheathed cable)
- **H7** Two-layer insulating jacket
- **H8** Spiral cables

Conductor type
- **D** Finely stranded, for welding cables
- **E** (very) finely stranded, for welding cables
- **F** Finely stranded, for cables for fixed installation
- **H** (Very) finely stranded, for flexible cables
- **K** Finely stranded, for cables for fixed installation
- **R** Multiple-wire, round, class 2
- **U** Single-wire, round, class 1
- **Y** Tinsel wire, DIN 47104

Number of cores

Earth core
- **G** With earth core
- **X** Without earth core

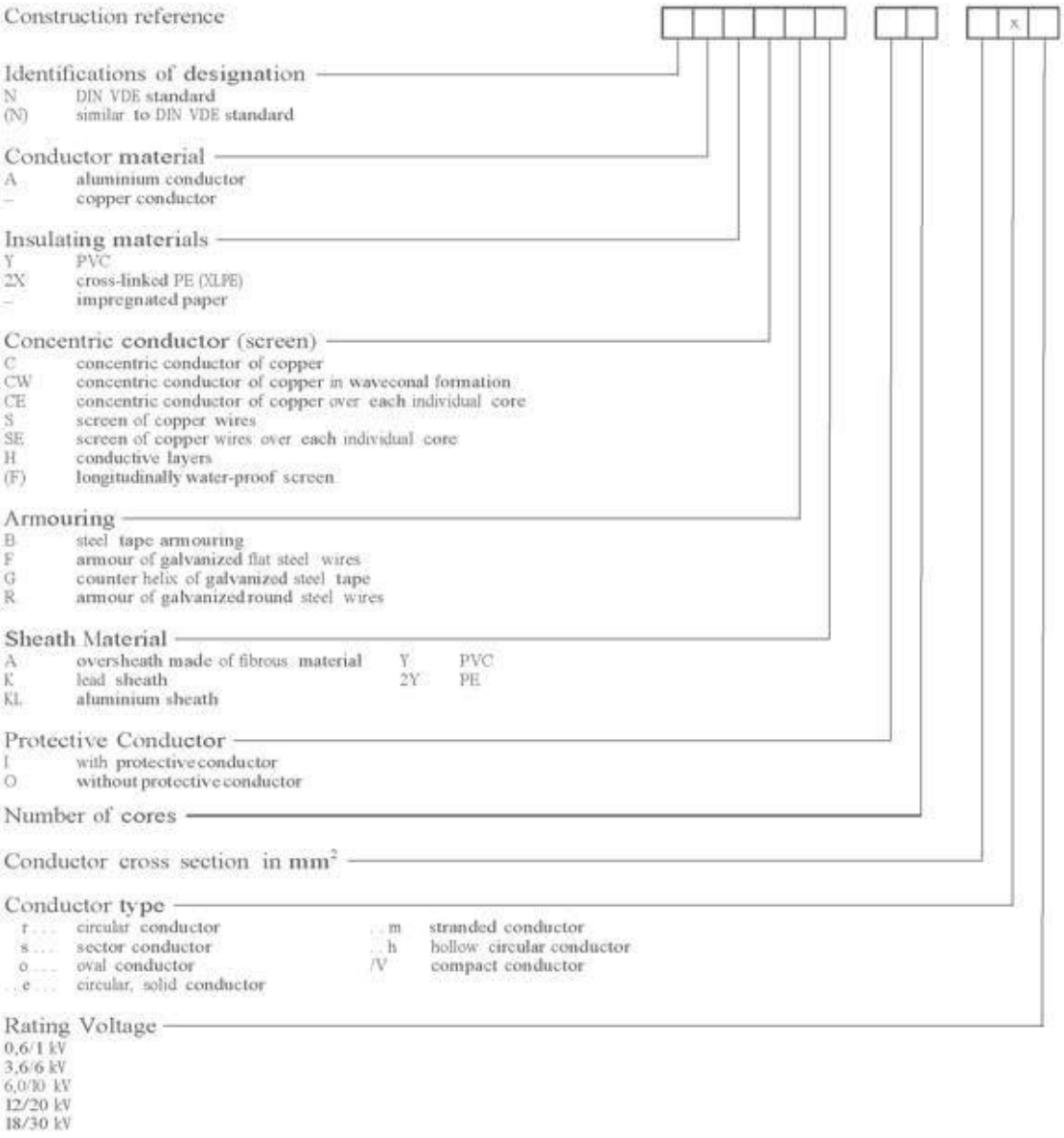
Conductor nominal cross section in mm²

Examples:

H07V-U 2,5 black (according to DIN VDE 0281)
Harmonized PVC-insulated single-core sheathed cable, 2,5 mm² single-core, nominal voltage 750 V

H07RN-F 3G 1,5 (according to DIN VDE 0282)
Harmonized rubber-sheathed-cable for medium tensile loads, three-core 1,5 mm², finely stranded, green-yellow earth core, nominal voltage 750 V

Designation code for power cables according to DIN VDE 0271/0276



Examples

NA2XS2Y 1 x 35 RM/16 6/10 kV

Single core XLPE-insulated cable with PE-sheath according to standard, circular, stranded aluminium conductor with nominal cross- section 35 mm², covered with copper-screen 16 mm² and rating voltage (U_0/U) 6/10 kV

NYY-J 12 x 1,5 RE 0,6/1 kV

Cable according to standard, PVC-insulated, sheath PVC, with green-yellow marked core, 12 cores with nominal cross-section 1,5 mm², circular conductor, solid, rating voltage 0,6/1 kV

Designation code for telephone cables, jumper wires and stranded hook-up wires

Construction reference

Basic cable type with additional information

A	outdoor cable	IE	installation cable for industrial electronic
AB	outdoor cable with lightning protection requirements	IE-H	installation cable for industrial electronic, halogen-free
AJ	outdoor cable with induction protection requirements	S	switchboard cable
G	mining cable	T	distribution cable
I	installation cable	YV/Li	jumper wires/hook-up wires

Insulation

P	dry paper	3Y	Styroflex
Y	PVC (Polyvinylchloride)	5Y	PTFE
2Y	PE (Polyethylene)	6Y	FEP
02Y	foamed PE (cellular)	7Y	ETFE
02YS	foam-skin insulation		

Screening

C	screen of braided copper wires	(ms)	magnetic screen steel tape
D	copper screen, helically stranded		
F	filling of cable core with petrol-jelly	(St)	screen of plastic coated metallic foil
(K)	screen of copper tape with PE-inner sheath	(Z)	high tensile steel wire braiding
(L)	aluminium tape		

Sheath Material

L	smooth aluminium sheath	M	lead sheath
(L)2Y	copolymer coated aluminium moisture barrier sheath	Mz	lead alloy sheath
LD	corrugated aluminium sheath	W	corrugated steel sheath

Protective coating

Y	PVC sheath	2Y	PE sheath
Yv	reinforced protective sheath of PVC	2Yv	reinforced protective PE sheath
Yw	PVC sheath heat-resistant	E	compound with embeded plastic tape
Yu	PVC flame resistant (non-flammable)	C	protective covering of jute and compound

Number of stranding elements

. . x 1 x	single core	. . x 4 x	quad
. . x 2 x	pair (double cores)	. . x 5 x	five-core
. . x 3 x	triple		

Conductor diameter in mm

Type of stranding components

F	star quad with phantom circuit in railway cables	St V	star quad for transmission of f = 550 kHz
S	signal core in railway signal cable	St VI	star quad for transmission of f = 17 MHz
StO	star quad general	DM	Dieselhorst-Martin quad
St	star quad with phantom circuit for long distance	TF	carrier frequency star quad
St I	star quad without phantom circuit	P	twisted pair
St II	star quad like St III, but with increased capacitance unbalances	PiMF	pair in metal foil
		ViMF	quad in metal foil
St III	star quad in local (Subscriber) cable	BdiMF	unit in metal foil
St IV	star quad for transmission of f = 120 kHz	Kx	coaxial cable

Stranding layout

Lg	layer stranding concentric
Bd	unit stranding

Armouring wire

A	layer of Al-wires for inductive protection	2B 0,5	2 layers steel tape, thickness 0,5 mm
b	armouring	D	layer of copper wires for inductive protection
B	armouring of steel band for inductive protection	(T)	strain bearing of steel wires for aerial cable
1B 0,3	1 layer steel tape, thickness 0,3 mm		

Code designation/explanation for cables

A-	Outdoor cable
A	approved national design
AB	Outdoor cable with lighting protection
AD	Outdoor cable with differential protection
AJ-	Outdoor cable with induction protection
ASLH	self-supporting communication cables for high voltage overhead lines
B	armouring
B	spinning of textile yarn
b	armouring
(1B...)	one layer of steel tape... thickness of the steel tape in mm
(2B...)	two layers of steel tape... thickness of the steel tape in mm
BD	unit-type stranding
BLK	bare copper-conductor without insulation
BZ	bronze conductor
C	screen of copper wire braiding
C	screen of copper wire spinning
C	outer protection of jute and viscous compound
Cu	copper wire
(-Cu)	total cross-section of copper screens (mm^2)
D	screen of copper wires
(D)	screen of helically applied copper wires
DM	Dieselhorst-Martin quad
Dreier	three cores in triple stranded
E	copper drain wire
E(e)	protective covering of viscous compound with embedded layer of plastic tape
e	single wire, solid
F	cable cores assembly with petrol-jelly
F	foil wrapping
F	flat cable
F	star quad for railway cable
F	star quad for phantom circuits
(F..)	flat wire armouring... thickness in mm
OF	jelly filled cable core, filling compound of hard substances
FR	flame retardant
f	flexible, fine wire stranding
ff	extra fine wire stranding
G	insulation or sheath material of rubber (NR) or (SBR)
G-	Mining cable
GJ	Mining cable with induction protection
GS	glass fibre whipping or braiding
2G	insulation or jacket of silicone rubber, (SIR)
3G	insulation or jacket of ethylene propylene rubber, (EPR)
4G	insulation or jacket of ethylene vinylacetate rubber (EVA)
5G	insulation or jacket of chloroprene rubber (CR)
6G	insulation or jacket of chlorosulphonated polyethylene (CSM), Hypalon
7G	insulation or jacket of Flouroelastomer (FKM)
8G	insulation or jacket of Nitrile rubber (NBR)
9G	PE-C rubber (CM)
53G	CM, chlorinated Polyethylene
H	insulation or jacket of halogen-free compound
H	Harmonized Documents
(H..)	maximal value of mutual capacitance (nF/km)
(HS)	semi-conducting tape of layer
HX	cross-linked, halogen-free polymer compound
_IMF	individual stranding element (pairs or single cores etc.) in metal foil and drain wire
IMF	several stranding elements in metalfoil and drain wire
J	cable with green-yellow earth core
-JZ	cable with green-yellow earth core and cores with inprinted numbers
K	copper-tape
(K)	inner sheath and longitudinally folded copper tape
LA	tinsel conductor (flat copper wire stranded over the thread of synthetic fibres)
LD	corrugated aluminium sheath
Lg	in layers stranding
Li	wires conductor
(L)Y	laminated sheath Al-tape and PVC-jacket
(L)2Y	laminated sheath Al-tape and PE-jacket
2L	double enamel coating as insulation
M	plastic-sheath cable
M	lead sheath
Mz	alloyed lead sheath
(mS)	magnetic shield
N	VDE standard
(N)	in adapted to VDE standard
NC	non-corrosiv, smoke-gase
NF	natural colour
-O	cable without green-yellow earth core
-OZ	cable without green-yellow earth core and cores with imprinted numbers
o	oil-resistant
02Y	Foam-PE, insulation (cellular PE)
Q	Steel wire braiding
(R..)	round wire, diameter in mm
RAGL-	Compensating cable for thermocoupling
RD-	Rhenomatic cable
RE	Computer cable
RG-	Coaxial cable according MIL specification
re	round, single wire
rm	round, multiwire
RS-	computer switchboard cable
S	silk whipping
S	signal cables for railways
(S..)	nominal value of mutual capacitance (nF/km)
-S	signal cable for German Railway
S-	Switchboard cable
SL	flexible sheathed cable
2S	two layers of silk whipping
St	star quad for phantom circuits
St I	star quad in telephone cables for lager distance
St III	star quad in local cables
(St)	static screen
Staku	copper clad steel wire
Staku-Li	copper clad steel stranded wires
_t	termite protection
T	supporting element for overhead cable
T-	fan out cable
TF	carrier frequency of pairs or quads triple
TiC	triple in copper wire braid
TiMF	triple in metal foil
U	braiding of textile fibres
VGD	gold-plated
VN	nickel-plated, VS silver-plated
VZK	galvanized, VZN tinned
W	corrugated steel sheath
W	high heat resistant
W	corrugated steel sheath
X	cross-linked polyvinylchlorid (X-PVC) or other materials
XPE	cross-linked polyethylene (X-PE)
2X	cross-linked polyethylene
7X	cross-linked Ethylentetrafluorethylen (X-ETFE)
10X	cross-linked Polyvinylidenfluorid (X-PVDF)
Y	PVC, polyvinylchloride
Yu	PVC, polyvinylchloride, non-flammable, flame-retardant
Yv	PVC, polyvinylchloride, with reinforced sheath
YY	Equipment wires with tinned conductor
Yw	PVC, polyvinylchlorid, heat resistant upto 90ºC
2Y	Polyethylene (PE)
2Yv	Polyethylene, reinforced sheath
02Y	Cellular polyethylene
02YS	insulation of cellular polyethylene with outer PE-skin
2YHO	insulation of air-spaced polyethylene
3Y	insulation polystyrene (PS), Styroflex
4Y	insulation or jacket of polyamide (PA)
5Y	insulation or jacket of polytetrafluorethylene (PTFE), HELUFLON
5YX	Perfluoralkoxy (PFA)
6Y	Perfluoroethylene-propylene (FEP), HELUFLON
7Y	insulation or jacket of ethylentetrafluorethylen (ETFE)
8Y	insulation of polyimid (PI), Kapton
9Y	polypropylen (PP)
10Y	PVDF, Polyvinylidene fluoride
11Y	polyurethan (PUR)
12Y	TPE-E, TPE
13Y	TPE-EE, TPE on base of Polyester-Ester
31Y	TPE-S, TPE on base of Polystyrol
41Y	TPE-A, TPE on base of Polyamide
51Y	PFA, Perfluor-Alkoxylalkane
71Y	ECTFE, Monochlortrifluorethylene
91Y	TPE-O, TPE on base of Polyester-Ester
-Z	core imprinted with numbers
Z	twin cable
(Z)	high-tensile braid of steel wires
(ZG)	high-tensile element of glass fibre yarn
(ZN)	high-tensile of non-metallic elements

Zarsim Co.

پاسداران، خیابان شهید کلاهدوز، خیابان آقامیری، خیابان چیذری، کوچه پروانه، پلاک5
کد پستی: 1945616374
تلفن: 021 74541

No. 5, Parvaneh Deadend, Chizari St., Aghamiri St., Kolahdouz St., Tehran 1945616374, Iran.

Office phone: +98 21 74541

Zarsim, 2013

Graphic Design and Production: Behnam Tajsham