



Cu/XLPE/PVC 0.6/1 kV (N2XY) Control Cable

DESCRIPTION:

Copper Conductor XLPE Insulated and PVC
Sheathed non Armoured Control Cable

CABLE STRUCTURE:

Conductor:

Annealed plain copper round solid or round
circular stranded

[re] Round solid conductor

[rm] Circular stranded conductor

Insulation: XLPE

Filler: PVC

Shield:

Helically copper tape screened with nominal
thickness 0.1 mm

Sheath:

PVC or FR-PVC type STI/ST2, black

STANDARDS:

European standards:

IEC 60502-1, VDE 0276-603, IEC/EN 60228

Flame retardant according to IEC/EN 60332-1-2

Indonesia standards:

Conductor SNI IEC 60228, SPLN 41-1

XPLE Insulation SNI IEC 60502-1; SPLN 41-9

PVC Sheath Grade ST2 to IEC 60502-1,
grade YM/2 to SPLN 41-2. Black

TECHNICAL DATA:

Voltage Rating U_0/U 0.6/1kV

Temperature Rating:

During installation -5°C to +50°C Fixed

Installation: -20°C to +90°C

Minimum Bending Radius

Fixed 12 × overall diameter

CODE DESIGNATION: N2XS

APPLICATION:

For Installations as underground, outdoor,
indoor, in ducts and where mechanical protection
is required or for higher tensile stresses during
installation and operation.

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for
our product categories. Additionally, we possess
other authoritative certifications recognized in
various countries and regions. For further details
on our certification portfolio, please do not
hesitate to contact us.





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Specifications

Nom.Cross-section Area	Nominal Thickness		overall diameter	cable Weight	DC Resistance at 20°C Insulation min	Current Carrying Capacity at 30°C	
	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	MΩ/km	A	
7×1.5 re	0.7	1.8	15	305	1121	11	16
7×1.5 rm	0.7	1.8	15	324	1020	11	16
8×1.5 re	0.7	1.8	16	340	1121	11	16
8×1.5 rm	0.7	1.8	16	350	1020	11	16
10×1.5 re	0.7	1.8	18	413	1121	10	14
10×1.5 rm	0.7	1.8	19	426	1020	10	14
12×1.5 re	0.7	1.8	18	457	1121	13	14
12×1.5 rm	0.7	1.8	19	471	1020	13	14
14×1.5 re	0.7	1.8	19	498	1121	9	11
14×1.5 rm	0.7	1.8	20	512	1020	9	11
16×1.5 re	0.7	1.8	20	549	1121	9	11
16×1.5 rm	0.7	1.8	21	564	1020	9	11
19×1.5 re	0.7	1.8	21	610	1121	8	10
19×1.5 rm	0.7	1.8	21	626	1020	8	10
21×1.5 re	0.7	1.8	22	662	1121	8	10
21×1.5 rm	0.7	1.8	22	679	1020	8	10
24×1.5 re	0.7	1.8	24	752	1121	7	9
24×1.5 rm	0.7	1.8	24	772	1020	7	9
30×1.5 re	0.7	1.8	25	877	1121	7	9
30×1.5 rm	0.7	1.8	26	898	1020	7	9
40×1.5 re	0.7	1.8	27	1096	1121	6	8
40×1.5 rm	0.7	1.8	28	1126	1020	6	8



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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	MΩ/km	A	
52×1.5 re	0.7	1.9	31	2383	1121	6	8
52×1.5 rm	0.7	2.0	32	1455	1020	6	8
61×1.5 re	0.7	2.0	33	1616	1121	5	7
61×1.5 rm	0.7	2.0	34	1653	1020	5	7
7×2.5 re	0.7	1.8	16	403	940	18	22
7×2.5 rm	0.7	1.8	17	427	842	18	22
8×2.5 re	0.7	1.8	17	425	940	18	22
8×2.5 rm	0.7	1.8	18	447	842	18	22
10×2.5 re	0.7	1.8	19	513	940	15	18
10×2.5 rm	0.7	1.8	20	541	842	15	18
12×2.5 re	0.7	1.8	20	576	940	15	18
12×2.5 rm	0.7	1.8	21	607	842	15	18
14×2.5 re	0.7	1.8	21	644	940	14	16
14×2.5 rm	0.7	1.8	22	679	842	14	16
16×2.5 re	0.7	1.8	22	714	940	14	16
16×2.5 rm	0.7	1.8	23	752	842	14	16
19×2.5 re	0.7	1.8	23	811	940	12	14
19×2.5 rm	0.7	1.8	24	855	842	12	14
21×2.5 re	0.7	1.8	24	882	940	12	14
21×2.5 rm	0.7	1.8	25	929	842	12	14
24×2.5 re	0.7	1.8	26	998	940	11	13
24×2.5 rm	0.7	1.8	27	1,054	842	11	13
30×2.5 re	0.7	1.8	27	1,187	940	11	13
30×2.5 rm	0.7	1.8	29	1,259	842	11	13
40×2.5 re	0.7	1.9	30	1,523	940	9	10



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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	MΩ/km	A	
40 × 2.5 rm	0.7	1.9	33	1,653	842	9	10
52 × 2.5 re	0.7	2.0	35	1,973	940	9	10
52 × 2.5 rm	0.7	2.0	37	2,093	842	9	10
61 × 2.5 re	0.7	2.0	37	2,269	940	8	9
61 × 2.5 rm	0.7	2.0	39	2,403	842	8	9
7 × 4 re	0.7	1.8	17	531	784	25	27
7 × 4 rm	0.7	1.8	18	567	704	25	27
8 × 4 re	0.7	1.8	19	562	784	25	27
8 × 4 rm	0.7	1.8	20	595	704	25	27
10 × 4 re	0.7	1.8	21	685	784	21	23
10 × 4 rm	0.7	1.8	22	726	704	21	23
12 × 4 re	0.7	1.8	22	777	784	21	23
12 × 4 rm	0.7	1.8	23	824	704	21	23
14 × 4 re	0.7	1.8	23	876	784	19	21
14 × 4 rm	0.7	1.8	24	928	704	19	21
16 × 4 re	0.7	1.8	24	976	784	19	21
16 × 4 rm	0.7	1.8	25	1034	704	19	21
19 × 4 re	0.7	1.8	25	1119	784	17	18
19 × 4 rm	0.7	1.8	26	1184	704	17	18
21 × 4 re	0.7	1.8	27	1220	784	17	18
21 × 4 rm	0.7	1.8	28	1296	704	17	18
24x4 re	0.7	1.8	29	1394	784	15	16
24 × 4 rm	0.7	1.8	31	1680	704	15	16
30 × 4 re	0.7	1.9	31	1690	784	15	16
30 × 4 rm	0.7	1.9	33	1828	704	15	16
40 × 4 re	0.7	2.0	35	2211	784	13	14
40 × 4 rm	0.7	2.0	37	2345	704	13	14
52 × 4 re	0.7	2.1	39	2815	784	13	14
52 × 4 rm	0.7	2.1	41	2997	704	13	14



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	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	MΩ/km	A	
61 × 4 re	0.7	2.2	42	3248	784	11	11
61 × 4 rm	0.7	2.2	45	3511	704	11	11
7 × 6 re	0.7	1.8	19	697	667	32	35
7 × 6 rm	0.7	1.8	20	741	590	32	35
8 × 6 re	0.7	1.8	20	740	667	32	35
8 × 6 rm	0.7	1.8	22	780	590	32	35
10 × 6 re	0.7	1.8	23	906	667	27	30
10 × 6 rm	0.7	1.8	25	956	590	27	30
12 × 6 re	0.7	1.8	23	1038	667	27	30
12 × 6 rm	0.7	1.8	26	1094	590	27	30
14 × 6 re	0.7	1.8	25	1177	667	25	26
14 × 6 rm	0.7	1.8	27	1239	590	25	26
16 × 6 re	0.7	1.8	26	1317	667	25	26
16 × 6 rm	0.7	1.8	28	1393	590	25	26
19 × 6 re	0.7	1.8	28	1524	667	22	23
19 × 6 rm	0.7	1.8	30	1614	590	22	23
21 × 6 re	0.7	1.8	29	1672	667	22	23
21 × 6 rm	0.7	1.8	32	1807	590	22	23
24 × 6 re	0.7	1.8	33	1954	667	19	21
24 × 6 rm	0.7	1.8	35	2072	590	19	21
30 × 6 re	0.7	2.0	35	2362	667	19	21
30 × 6 rm	0.7	2.0	37	2500	590	19	21
40 × 6 re	0.7	2.1	39	3064	667	17	17
40 × 6 rm	0.7	2.1	42	3240	590	17	17
52 × 6 re	0.7	2.3	44	3970	667	17	17
52 × 6 rm	0.7	2.3	48	4200	590	17	17
61 × 6 re	0.7	2.4	47	4590	667	15	15
61 × 6 rm	0.7	2.4	51	4853	590	15	15