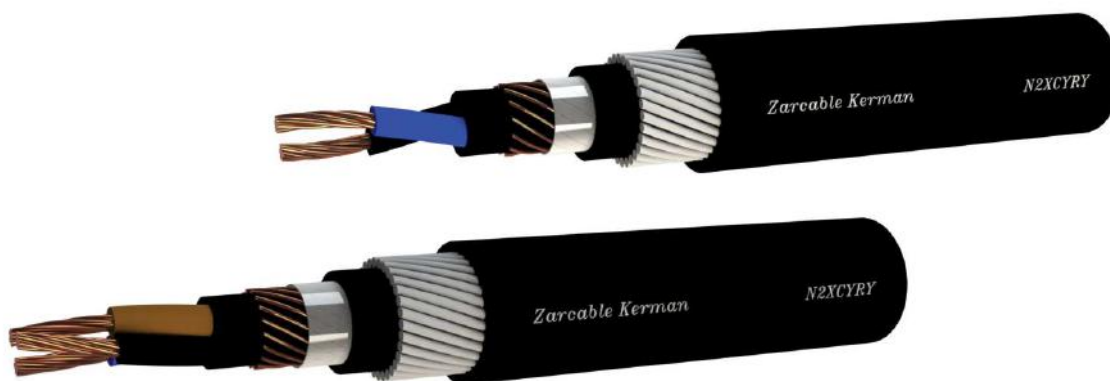


N2XCERY

CU/XLPE/Filler/CCW/PST/BD/GSWA/PVC



Armoured Power and signal cable 0,6/1 kV, XLPE insulated, PVC sheathed, with concentric protective Cu conductor

Construction

Conductor:	Cu, class 1 or 2 acc. to IEC 60228 / DIN VDE 0295
class 1:	solid, round (RE)
class 2:	multi wire stranded, round (RM) or sector (SM), multi wire exceeding 50 mm ² are compacted
Insulation:	XLPE-compound acc. to IEC 60502-1, concentrically stranded cores, color marked acc. to VDE 0293-308
Filler :	extruded elastomer or plastomer compound or wrapped thermoplastic tapes
Concentric conductor:	in inner layer spirally wrapped round copper wires,
Wrapping:	PES Tape
Bedding:	PVC Compound
Armour:	A layer of tin round galvanized Steel wire
Sheath:	PVC compound ST1 acc. to IEC 60502-1
sheath colour:	black or by request

Abbreviations

2X insulation of Crosslinked Polyethylene
fl reduced flame propagation

Technical data

Temperature	
During installation :	-5 °C up to +50 °C
fixed installed Temperature:	-20 °C up to +90 °C
At short circuit of max.	up to 250 °C
Nominal voltage:	U ₀ /U = 0,6/1 kV
Test voltage:	3.5 kV
Maximal tensile strength:	50 N/mm ²
Minimal inner bending radius:	
Behavior in fire:	IEC 60332-1
single core:	15D
multi core:	12D

Design Standards

IEC 60502-1
VDE 0276-603

Distribution and signal power cable for static application in ground, in water, within facilities, in cable canals, in concrete, in conditions where there is a danger of possible mechanical damages, Concentric conductor can be used as neutral, protective or earth connection, and in conditions where it is exposed to danger of damages caused by digging, it acts as protection against contact voltage, in case of rough insulation damage. Used in transformer stations, industrial plants, metropolitan networks and in other electric plants where heavier current and thermal loads are expected (operating temperature of conductor up to 90 °C).

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N2XCYRY								
Code No.	No. of Cores & Cross Section	Nominal Inner Layer Thickness	Nominal Concentric Wire Diameter	Nominal Separation Sheath Thickness	Armour Wire Diameter	Nominal Sheath Thickness	Overall Diameter (Approx)	Total Weight (Approx)
	mm ²	mm	mm	mm	mm	mm	mm	kg/km
R45116	1×16+16 RM	0	0.8	1.2	1.25	1.5	16.2	555
R45125	1×25+25 RM	0	0.9	1.2	1.25	1.5	17.7	750
R45135	1×35+35 RM	0	0.9	1.2	1.25	1.5	18.8	960
R45150	1×50+50 RM	0	0.9	1.2	1.6	1.6	21	1250
R45215	2×1.5+1.5 RE	1	0.5	1.2	1.25	1.8	17.4	565
R45225	2×2.5+2.5 RE	1	0.5	1.2	1.25	1.8	18.2	635
R4524	2×4+4 RE	1	0.8	1.2	1.25	1.8	19.7	745
R4526	2×6+6 RE	1	0.8	1.2	1.6	1.8	21.4	965
R45210	2×10+10 RE	1	0.8	1.2	1.6	1.8	23	1175
R45216	2×16+16 RM	1	0.8	1.2	1.6	1.8	25.9	1515
R45225	2×25+25 RM	1	0.9	1.2	1.6	1.9	28.9	1965
R45235	2×35+35 RM	1	0.9	1.2	2	2	32.1	2590
R45250	2×50+50 RM	1	0.9	1.2	2	2.1	34.9	3150
R45315	3×1.5+1.5 RE	1	0.5	1.2	1.25	1.8	17.8	600
R45325	3×2.5+2.5 RE	1	0.5	1.2	1.25	1.8	18.7	680
R4534	3×4+4 RE	1	0.8	1.2	1.6	1.8	21	915
R4536	3×6+6 RE	1	0.8	1.2	1.6	1.8	22.1	1055
R45310	3×10+10 RE	1	0.8	1.2	1.6	1.8	23.8	1300
R45316	3×16+16 RM	1	0.8	1.2	1.6	1.8	26.9	1705
R45325	3×25+25 RM	1	0.8	1.2	1.6	1.9	29.9	2200
R45335	3×35+35 RM	1	0.9	1.2	2	2	33.5	3005
R45350	3×50+50 RM	1	0.9	1.2	2	2	33.1	3235

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	mm ²	mm	mm	mm	mm	mm	mm	kg/km
R45415	4×1.5+1.5 RE	1	0.5	1.2	1.25	1.8	18.5	650
R45425	4×2.5+2.5 RE	1	0.5	1.2	1.25	1.8	19.5	745
R4544	4×4+4 RE	1	0.8	1.2	1.6	1.8	22	1015
R4546	4×6+6 RE	1	0.8	1.2	1.6	1.8	23.2	1175
R45410	4×10+10 RE	1	0.8	1.2	1.6	1.8	25.1	1475
R45416	4×16+16 RM	1	0.8	1.2	1.6	1.9	28.8	1970
R45425	4×25+25 RM	1	0.9	1.2	2	2	33.1	2835
R45435	4×35+35 RM	1	0.9	1.2	2	2.1	36	3500
R45450	4×50+50 RM	1	0.9	1.2	2	2.1	36.2	3870
R45515	5×1.5+1.5 RE	1	0.5	1.2	1.25	1.8	19.3	710
R45525	5×2.5+2.5 RE	1	0.5	1.2	1.25	1.8	20.4	825
R4554	5×4+4 RE	1	0.8	1.2	1.6	1.8	23	1120
R4556	5×6+6 RE	1	0.8	1.2	1.6	1.8	24.3	1300
R45510	5×10+10 RE	1	0.8	1.2	1.6	1.8	26.5	1650
R45516	5×16+16 RM	1	0.8	1.2	2	2	31.6	2455
R45525	5×25+25 RM	1	0.9	1.2	2	2.1	35.5	3250
R45535	5×35+35 RM	1.2	0.9	1.2	2	2.2	39	4075
R45550	5×50+50 RM	1.2	0.9	1.23	2.5	2.4	44	5410
R4532516	3×25+16+16 RM	1	0.8	1.2	2	2	32.2	2615
R4533516	3×35+16+16 RM	1	0.8	1.2	2	2.1	34.3	3020
R4535025	3×50+25+25 SM	1	0.9	1.2	2	1.8	35	3420
R4537035	3×70+35+35 SM	1.2	0.9	1.2	2	1.9	38.9	4415
R4539550	3×95+50+50 SM	1.2	0.9	1.24	2.5	2	43.7	5945