

Power Cables 1kV

MCMK 0,6/1 kV (> 16 mm²)



Flame retardance

EN 60332-1

IEC 60332-1 - Fire propagation class

EN 60332-3 - Tests on electric and optical fibre cables under fire conditions. Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables.

Standard

IEC 60502-1

IEC 60332-3

Construction

Cable Shape	Round
UNSPSC classification	26121629
Conductors	Sector shaped annealed copper wire
Conductor Insulation	Lead-free PVC compound
Core assembly	Insulated conductors stranded together
Marking of cores	Colours of inner cores 3-cores Brown, black, grey 4-cores Blue, brown, black, grey
Shield / Screen	Copper wire layer and copper wires/tape binding
Shield / Screen Material	Copper
Shield / Screen Type	Copper wire layer and copper wires/tape binding
Outer Sheath	Black lead-free PVC compound
Example of marking on sheath	PRYSMIAN "type" "voltage" FI >PVC< meter marking

Temperature

Maximum operating Temperature	+70°C
Minimum operating Temperature for cable type [°C]	Not Defined

Features

UV resistance	Good
Min. Bending radius at final installation	8 xD
Bending radius	12 xD
Min. Bending radius at during installation	12 xD
Max Pulling force - pulling grip [N/mm ²]	15 N/mm ² xA
Max Pulling force - pulling eye [N/mm ²]	100 N/mm ² xA (max. 20 kN)
REACH/SVHC declaration	The cable does not contain any substances on the REACH/SVHC list
RoHS declaration	All substances of the cable meet the requirements of RoHS directive

Electrical

Max. short circuit temperature [°C]	+160°C
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Conductors and screen area [mm ²]	Standard delivery length [m]	Delivery Package	EAN/GTIN number	SAP Number
3x25/16	500	K11	6410006021581	20022421
3x35/16	500	K11	6410006021598	20022422
3x50/25	500	K12	6410006021604	20022423
3x70/35	500	K14	6410006021611	20022424
3x95/50	500	K14	6410006021628	20022425
3x120/70	500	K16	6410006021635	20022426
3x150/70	500	K18	6410006021642	20022427
3x185/95	500	K20	6410006021659	20022428
3x240/120	500	K24	6410006021666	20022429
4x25/16	500	K11	6410006018581	20022432
4x35/16	500	K12	6410006018598	20022433
4x70/35	500	K16	6410006018611	20022435
4x50/25	500	K14	6410006018604	20022434
4x95/50	500	K18	6410006018628	20022436
4x120/70	500	K20	6410006018635	20022437
4x150/70	500	K22	6410006018642	20022438
4x185/95	500	K24	6410006018659	20022439
4x240/120	500	K24	6410006018666	20022440

Conductors and screen area [mm ²]	Diameter over sheath [mm]	Cable weight [kg/km]	Min. Bending radius at final installation [mm]	Min. Bending radius during installation [mm]	Resistance [Ω/km]
3x25/16	22	1200	180	270	0,727
3x35/16	24	1500	200	290	0,524
3x50/25	27	2000	220	330	0,387
3x70/35	32	2700	260	390	0,268
3x95/50	36	3700	290	440	0,193
3x120/70	39	4700	320	470	0,153
3x150/70	43	5600	350	520	0,124
3x185/95	48	7000	390	580	0,0991
3x240/120	54	9200	440	650	0,0754
4x25/16	25	1500	200	300	0,727
4x35/16	27	1900	220	330	0,524
4x50/25	31	2600	250	380	0,387
4x70/35	36	3500	290	440	0,268
4x95/50	41	4800	330	500	0,193
4x120/70	44	6000	360	530	0,153
4x150/70	49	7200	400	590	0,124
4x185/95	54	9000	440	650	0,0991
4x240/120	62	12000	500	750	0,0754