

## Power Cables 1kV

### XPK



#### Application

1kV power cable for fixed indoor, outdoor and underground installations.

#### Flame retardance

IEC 60332-1-2 - Vertical flame propagation  
for a single insulated wire or cable

#### Standard

CENELEC HD 308 S2  
IEC 60502-1  
HD 60364-5-52  
EN 50575:2014

Identification of cores in cables

Selection and erection of electrical equipment. Wiring systems.  
Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements

#### Construction

Cable Shape	Round
Conductors	1,5...10 mm <sup>2</sup> round solid annealed 16...35 mm <sup>2</sup> round stranded annealed
Conductor Insulation	XLPE
Core assembly	Insulated conductors stranded together
Marking of cores	3G - green/yellow, blue, brown 4G - green/yellow, brown, black, grey 5G - green/yellow, blue, brown, black, grey
Outer Sheath	PVC

#### Temperature

Maximum operating Temperature	90
Temperatures at installation [°C]	-15°C

#### Features

CPR Performance class	Eca
UV resistance	Yes
Min. Bending radius at final installation	12xD

#### Electrical

Max. short circuit temperature [°C]	250
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<b>Conductors and screen area [mm<sup>2</sup>]</b>	<b>Standard delivery length [m]</b>	<b>Delivery Package</b>	<b>EAN/GTIN number</b>	<b>SAP Number</b>
3G1,5 RE	500	K6	4741532120625	20167487
3G1,5 RE	2000	K9	4741532120618	20166012
4G1,5 RE	500	K7	4741532120656	20166213
5G1,5 RE	1000	K8	4741532120694	20166010
3G2,5 RE	500	K7	4741532120649	20167488
3G2,5 RE	1000	K8	4741532120632	20166013
4G2,5 RE	500	K7	4741532120670	20166214
5G2,5 RE	1000	K9	4741532120717	20166011
3G4 RE	500	K7	4741532120731	20166211
4G4 RE	500	K7	4741532120755	20166215
5G4 RE	500	K7	4741532120779	20166217
3G6 RE	500	K7	4741532120748	20166212
4G6 RE	500	K7	4741532120762	20166216
5G6 RE	500	K8	4741532120786	20166218
4G10 RE	500	K8	4741532120816	20167619
5G10 RE	500	K9	4741532120823	20167615
4G16 RM	500	K9	4741532120830	20167620
5G16 RM	500	K11	4741532120847	20167616
4G25 RM	500	K11	4741532120854	20167631
5G25 RM	500	K12	4741532120861	20167617
4G35 SM	500	K12	4741532120878	20167876
5G35 RM	500	K12	4741532120885	20167618
4G50 SM	500	K14	4741532120892	20167877
4G70 SM	500	K14	4741532120915	20167878
4G95 SM	500	K18	4741532120939	20167879
4G120 SM	500	K20	4741532120953	20167880
4G150 SM	500	K22	4741532120977	20167891
4G185 SM	500	K22	4741532120991	20167892
4G240 SM	500	K24	4741532121011	20167893
4G300 SM	300	K24	4741532121035	20167894

Conductors and screen area [mm <sup>2</sup> ]	Diameter over sheath [mm]	Cable weight [kg/km]	Min. Bending radius at final installation [mm]	Min. Bending radius during installation [mm]	Resistance [Ω/km]
3G1,5 RE	10	135	90	120	12,1
4G1,5 RE	11	160	90	130	12,1
5G1,5 RE	12	190	100	140	12,1
3G2,5 RE	11	175	90	130	7,41
4G2,5 RE	12	210	100	140	7,41
5G2,5 RE	250	13	110	150	7,41
3G4 RE	12	245	100	150	4,61
4G4 RE	13	290	110	160	4,61
5G4 RE	14	350	120	170	4,61
3G6 RE	14	315	110	160	3,08
4G6 RE	15	385	120	170	3,08
5G6 RE	16	460	130	190	3,08
4G10 RE	16	565	140	2200	1,83
5G10 RE	18	675	150	210	1,83
4G16 RM	20	785	170	240	1,15
5G16 RM	22	955	190	260	1,15
4G25 RM	24	1160	200	290	0,727
5G25 RM	27	1425	220	320	0,727
4G35 SM	27	1550	230	330	0,524
5G35 RM	28	1905	240	340	0,524
4G50 SM	31	2065	260	370	0,387
4G70 SM	35	2905	300	420	0,268
4G95 SM	40	3920	340	480	0,193
4G120 SM	45	4885	380	540	0,153
4G150 SM	50	6070	420	590	0,124
4G185 SM	51	7560	430	610	0,0991
4G240 SM	61	9835	520	730	0,0754
4G300 SM	71	12760	600	850	0,0601