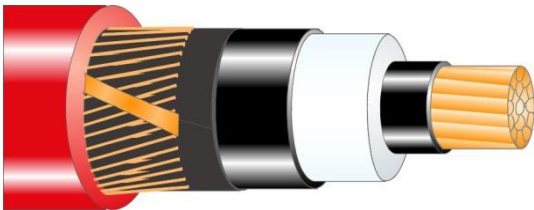


Power Distribution – Medium Voltage

PEX-CU-CT 6/10 (12) kV Dca – Halogen free



Application

Halogen free cable with water tight conductor.
Flame retardant and UV-stabilized with low smoke and corrosive gass development.
For both indoor and outdoor installations.
Allowed where CPR is requested.
Suitable for installation in pipes and directly burried.

Flame retardance

IEC 60332-1 Flame retardance class

Alternative name

PEX-CU-CT RM FR 12kV

Standard

IEC 60228	Conductor construction
IEC 60502-2	Construction standard
HD 604	Halogen free materials
DS/EN 60754-1, -2	Corrosiv gasses
DS/EN 61034-1, -2	Smoke density

Construction

Conductor	Round stranded Copper acc. IEC 60228 Class 2. Longitudinal water tight
Conductor screen	Extruded conductive polymer
Insulation	XLPE nom. 3,4 mm
Insulation screen	Extruded conductive polymer, Stripable
Metallic screen	Concentric Cu wire screen with counter spiral
Sheath	UV-Stabilized HFFR compound, Red
Marking	PRYSMIAN PEX-CU-CT 1x240+35 12 kV Dca"Date" XXXX m

Temperature

Maximum operating temperature	90 °C
Temperature at installation	Lowest cabeltemperature -15 °C Below 0 °C caution must be exercised

Properties

CPR Class	Dca-s2,d2,a2 DOP finder www.dop.prysmian.dk
Bending radius	Final installation: 13 x D During installation: 15 x D

Electrical data

Operating voltage	6/10 (12) kV
Test voltage	30 kV AC

PEX-CU-CT 6/10 (12) kV Dca – Halogen free

Order info

Cross section [mm ²]	Diameter nom. [mm]	Weight [kg/km]	Standard Delivery length [m]	Drum	SAP number
1x25+16	22	725	1000	K12	20170272
1x50+16	24	970	1000	K14	20170273
1x95+25	27,5	1550	1000	K16	20170243
1x150+25	30,5	2120	1000	K18	20170229
1x240+35	34,5	3125	1000	K20	20204677

Dimensions

Cross section [mm ²]	Conductor diameter [mm]	Insulation thickness nom. [mm]	Diameter over insulation [mm]	Screen Cross section [mm ²]	Sheath Thickness nom. [mm]	Diameter nom. [mm]
1x25+16	5,9	3,4	13,9	16	1,8	22
1x50+16	8,0	3,4	15,9	16	1,8	24
1x95+25	11,3	3,4	19,3	25	1,8	27,5
1x150+25	14,2	3,4	22,2	25	1,9	30,5
1x240+35	18,1	3,4	26,2	35	1,9	34,5

Application data

Cross section [mm ²]	Weight [kg/km]	Bending radius, installation [mm]	Pulling force, stocking [kN]	DOP number Click Link
1x25+16	725	350	2,0	1002879
1x50+16	970	360	2,5	1002910
1x95+25	1550	420	4,0	1002878
1x150+25	2120	465	5,5	1002877
1x240+35	3125	525	7,7	1002911

Electric data

Cross section [mm ²]	DC resistance 20 °C [Ω/km]	Capacitance per phase [μF/km]	Reactance Trefoil [Ω/km]	Fault current, conductor [kA/1s]	Fault current, Screen [kA/1s]
1x25+16	0,727	0,20	0,15	3,5	3,2
1x50+16	0,387	0,25	0,13	7,1	3,2
1x95+25	0,193	0,32	0,12	13,5	5,0
1x150+25	0,124	0,38	0,11	21,4	5,0
1x240+35	0,0754	0,46	0,10	34,3	7,0