

2XSY 12/20 KV - IEC

CU/XLPE/CWS/PVC

Single core MV cable XLPE insulated with PVC outer sheath. Rated voltage 12/20 KV

Description

Electric cable with stranded copper conductor, conductor screen of semiconducting compound, XLPE insulation, insulation screen of semiconducting compound, copper wires metallic screen, PVC outer sheath. Rated voltage 12/20 KV

Note: on request the cables are available with copper helix tape above the copper wires metallic screen or/and with plastic wrapping tape below the outer sheath

Application

in grounds, outdoors, indoors and in cable ducts

Note: on request the cables are available with Polyethylene outer sheath (2XS2Y) or with Low Smoke Zero Halogen (LSZH) outer sheath (2XSH).



Standards

International IEC 60332-1;
IEC 60502-2

Characteristics

Construction characteristics	
Conductor material	Copper
Conductor flexibility	Stranded class 2
Material of the inner semi-conductor	XLPE-SC
Insulation	XLPE (chemical)
Material of the external semi-conductor	Extruded strippable
Screen	Copper wire
Outer sheath	PVC
Dimensional characteristics	
Number of cores	1
Electrical characteristics	
Rated Voltage U ₀ /U (Um)	12/20 kV
Usage characteristics	
Flame retardant	Yes



Conductor flexibility
Stranded class 2



Rated Voltage U₀/U (Um)
12/20 kV



Flame retardant
Yes

Product List

Cross section [mm ²]	Screen section [mm ²]	Outer Diameter [mm]	Approx. weight [kg/km]	Max. DC Resist. Cond. 20°C [Ohm/km]	Perm. current rating buried 15°C - trefoil formation [A]	Perm. current rating in air 25°C - trefoil formation [A]
35	16	26.5	935	0.524	185	215
50	16	28	1080	0.387	225	245
50	25	28	1170	0.387	225	245
70	16	29.5	1320	0.268	270	310
70	25	29.5	1425	0.268	270	310
95	16	31	1600	0.193	320	375
95	25	31	1680	0.193	320	375
120	16	33	1875	0.153	365	435
120	25	33	1965	0.153	365	435
150	25	34	2240	0.124	415	495
185	25	36	2620	0.099	460	565
240	25	38.5	3200	0.075	530	660
300	25	41	3830	0.06	595	750
400	35	44	4750	0.047	675	870

Selling information

Packing on wooden drums.



Conductor flexibility
Stranded class 2



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Flame retardant
Yes