YKXS 0,6/1 kV - Power cables with XLPE insulation



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	PN-HD 603 S1:2002 (U)
Type designation	YKXS

Design features

Conductor	Copper conductor
Insulation	XLPE insulation
Inner Sheath	Extruded inner sheath
Outer sheath	PVC outersheath
Available colours	Black
Marking	YKXS 1 x 120 SM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	HD 405.1 S1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-5 °C

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Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω/km	Current-carrying capacity during normal ope-ration, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x120RMC	22	1350	0.153	349	380	2000
1x240RMC	30	2600	0.0754	517	640	2000
4x35SM	32	2000	0.524	174	162	1000
4x50SM	35	2650	0.387	206	197	1000
4x70SM	40	3600	0.268	254	250	1000
4x95SM	44	4850	0.193	305	308	1000
4x120SM	48	5950	0.153	348	359	1000
4x150SM	53	7150	0.124	392	412	500
4x185SM	58	8250	0.0991	444	475	500
4x240SM	64	10650	0.0754	517	564	500

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