

FXQJ-EMC PURE 2,5-16mm² 0,6/1 KV

Halogen-free cable for EMC-installations



DESCRIPTION

Halogen-free, flame retardant and self-extinguishing low voltage cable for use in EMC installations. Open fixed installation, indoors and outdoors, in pipes and ground/water. Can be plowed down with care, but when plowing, polyethylene sheathed cable is recommended. The concentric screen means increased personal safety for both the installer and plant owner. Smoke development in the event of fire is small, transparent (eases evacuation) and not harmful to electronic equipment.

STANDARDS, CERTIFICATIONS AND APPROVALS



CENELEC HD 604 Part 5 Section D
CENELEC HD 603 Part 5 Section AB
SS 424 14 18

Harmonized construction standard
 Harmonized construction standard
 Construction standard

Synonyms

NIXCZI-R/NIXCZI-S

CABLE DESIGN

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Screen construction	Wire screen and counterhelix tape
Material outer sheath	Low smoke zero halogen
Rated voltage U ₀ /U (Um)	0.6/1 (1.2) kV
Test voltage [kV]	15
Halogen free	Yes
Reaction-to-fire class (acc. EN 13501-6)	Cca
Smoke development class (acc. EN 13501-6)	s1
Euro class flaming droplets/particles (acc. EN 13501-6)	d1
Euro class acidity (acc. EN 13501-6)	a1
Max. conductor temperature	90
Min. outer temperature during installation [°C]	-20
Max. outer temperature during installation [°C]	60
Rip cord	Yes
Bending radius (rule)	When fixed: 8 x D When installing: 12 x D When plowing: 8 x D
Cable marking example	FXQJ-EMC Pure 0,6/1 kV 3*6 < FR/6 C-s1d1a1 Prysmian "Datum och tid", metermärkt

PRODUCT DATA

Item name	External article code	SAP code	Cable weight [kg/km]	Packaging
FXQJ-EMC PURE 2X4 FR/4 T5H	SAP20197876	20197876	300	K8
FXQJ-EMC PURE 2X6 FR/6 T5H	SAP20197878	20197878	380	K9

TECHNICAL DATA

Product name	Conductor category	Shape of conductor	Core colours	Outer diameter [mm]
FXQJ-EMC PURE 2X4/4	Class 2 = stranded	Round	Brown, blue	14
FXQJ-EMC PURE 2X6/6	Class 2 = stranded	Round	Brown, blue	15

Nominal values unless otherwise specified.

Product name	Conductor resistance at 20° C [Ohm/km]	Inductive Reactance (at 50Hz) [Ohm/km]
FXQJ-EMC PURE 2X4/4	4.61	0.087
FXQJ-EMC PURE 2X6/6	3.08	0.083

Nominal values unless stated