FLAMEBLOCKER
FXQ 450/750V

Based on SS 424 02-19-5
ZN-TF-219

Halogen-free light sheathed cables with improved fire behaviour

CONSTRUCTION	
Conductors:	annealed copper circular stranded conductor class 2 acc. to EN 60228
Insulation:	cross-linked polyethylene XLPE
Inner covering:	halogen-free not vulcanized rubber compound
Sheath:	special halogen-free thermoplastic compound

CHARACTERISTIC	
Colour of sheath:	white *(other colours available at customer request)*
Core identification:	*(other colours available at customer request)*
3-core:	green-yellow, blue, brown
4-core:	green-yellow, brown, black, grey
5-core:	green-yellow, blue, brown, black, grey
Maximum conductor operating temperature:	+70°C
Lowest ambient temperature for fixed installation:	-30°C
Lowest installation temperature:	-15°C
Maximum short-circuit conductor temperature:	+250°C
Minimum bending radius:	
Normal use:	8 x D
Careful bending at termination:	4 x D, D – overall diameter
Max. permissible tensile stress with cable grip for Cu-conductor:	50 N/mm^2
Test voltage:	2500V

FIRE PERFORMANCE	
▪ **Flame retardant:**	IEC 60332-1-2, IEC 60332-3-24 (SS 4241475 F4C), IEC 60332-3-23 (SS 4241475 F4B)
▪ **Smoke density:**	IEN 61034-2, IEC 61034-2
▪ **Gases evolved during combustion:**	IEC 60754-1, IEC 60754-2, EN 50267-2-2: pH ≥ 4,3; conductivity ≤ 10 µS/mm
▪ **CPR – class reaction to fire (acc EN 50575): Cca-s1a,d1,a1**	

TELE-FONIKA Kable S.A.
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APPLICATIONS

Installation cables for industrial complexes, public buildings, hotels, airports, hospitals or industrial plants with high concentration of people and/or property. Usable in the open, in dry, damp and wet environments in the open and concealed, as well as in masonry and in concrete, not suitable for imbedding in solidified – or compressed – concrete.

Standard length cable packing	100 m coils or 500 m on drums. Other forms of packing and delivery are available on request.

MARKING

TF KABLE 2 FXQ 3G4 450/750V CE [year] [meter marks]

Number and cross-sectional area of conductor	Number of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n x mm²	**n**	**mm**	**mm**	**mm**	**kg/km**	**Ω/km**
3G4	7	0,7	1,4	11,6	241	4,61
3G6	7	0,7	1,4	12,4	306	3,08
3G10	7	0,7	1,4	14,4	464	1,83
4G4	7	0,7	1,4	12,6	290	4,61
4G6	7	0,7	1,4	13,5	373	3,08
4G10	7	0,7	1,4	15,8	571	1,83
5G4	7	0,7	1,4	13,7	347	4,61
5G6	7	0,7	1,4	14,7	449	3,08
5G10	7	0,7	1,4	17,3	697	1,83
5G16	7	0,7	1,4	20,1	1020	1,15

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