

FIRETUF FRHF 500 V

Fire resistant halogen-free installation cable



Firetuf

APPLICATION	Alarm, control, signaling and power supply cable for fixed installations in which the safety of people requires the cable to operate for specified time during a fire. For fixed installations indoors and outdoors.
RATED VOLTAGE	U ₀ /U = 300/500 V
Declaration of Performance (DoP)	non CPR



EN 50200	Fire resistance test
SFS 5545 (where appl.)	Construction
IEC 60332-1-2	Vertical flame propagation for a single insulated wire or cable
IEC 60332-3	
IEC 61034	Smoke density
IEC 60754	Corrosive gases
Conductor	Copper
Insulation	Mica + XLPE
Outer sheath	Halogenfree polymer
Fire resistant layer (core)	Yes
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Permitted cable outer temperature during assembling/handling (min) [°C]	-15
Minimum permissible bending radius during laying	10x OD

FIRE PROPERTIES

Insulation integrity	PH 120
Halogen free	Yes

DELIVERY INFO

Snro	PRODUCT NAME	EAN-code (GTIN)	Packaging type	Standard delivery length
0420323	FIRETUF FRHF 500V 3G2,5 K6/500	6410004203231	Drum	500
0420212	FIRETUF FRHF 500V 2X1,5 K6/500	6410004202128	Drum	500
0420213	FIRETUF FRHF 500V 2X2,5 K6/500	6410004202135	Drum	500
0420322	FIRETUF FRHF 500V 3G1,5 K6/500	6410004203224	Drum	500
0420372	FIRETUF FRHF 500V 5G1,5 K500	6410004203729	Drum	500
0420373	FIRETUF FRHF 500V 5G2,5 K500	6410004203736	Drum	500

MECHANICAL AND ELECTRICAL DATA

Product name	Diameter over cable [mm]	Max. DC resistance, conductor (20°C) [ohm/km]	Current rating, ref. install. type E [A]	Weight [kg/km]	Min. permissible bending radius during laying [mm]
FIRETUF FRHF 500V 3G2,5	11	7.41	26	160	110
FIRETUF FRHF 500V 2X1,5	10	12.1	19	100	100
FIRETUF FRHF 500V 2X2,5	11	7.41	26	130	110
FIRETUF FRHF 500V 3G1,5	10	12.1	19	120	100
FIRETUF FRHF 500V 5G1,5	12	12.1	19	190	120
FIRETUF FRHF 500V 5G2,5	13	7.41	26	250	130

Current rating: installation method E (in free air, +25°C), conductor max. operation temp.