

# FIRE RESISTANT - Silicone insulation ATOX FIRE RATED 450/750V Low smoke, Halogen-free FE180



## TECHNICAL FEATURES

Operating temperature	-10 °C ÷ +70 °C
Rated voltage	450/750V
Testing voltage	2,0 kV
Conductor material	Solid bare copper
Conductor class	Class 1 DIN VDE 0295 resp IEC 60228
Core insulation	High performance ceramifiable Silicone Rubber
Core identification	Acc. To CEI UNEL 00722 / HD308
Outer sheath material	Thermoplastic halogen free, fire retard. LSOH Type M1
Printing	To be defined
Colour outer sheath	Orange Ral 2004

## APPLICATION

Fire performance low voltage cables, for fire detection, lighting and security. Designed to maintain circuit integrity under fire conditions, according to IEC-EN fire test standards. Suitable for 450/750V

## SPECIAL FEATURES

Compliant to the following standards:  
EN 50267-2-3: Acidity of gasses;  
EN 61034-2: Smoke density;  
IEC 60332-3-24: No flame propagation cat.C;  
IEC 60332-1-2: Flame retardant;  
VDE 0472-814 / Fire resistant FE180;

## REMARKS

Conform to RoHS  
CE acc. to EC low-voltage Directory 73/23/EEC and 93/68/EEC

Section	Nom. O.D.	Copper weight	Approx. Cable weight
mm <sup>2</sup>	mm	kg/km	kg/km
2 x 1,00	6,80	20	50
2 x 1,50	7,50	29	76
3 x 1,50	8,00	44	98
4 x 1,50	9,00	58	130
5 x 1,50	10,40	72	168
7 x 1,50	11,00	101	231
1 x 2,50	5,40	24	50
2 x 2,50	9,00	48	101
3 x 2,50	9,50	72	145
4 x 2,50	10,50	96	192
5 x 2,50	12,00	120	250
7 x 2,50	12,80	168	300