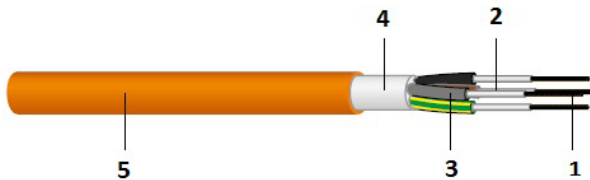


FE180 flex

Control cable flex, 300/500V, Keram

halogen-free, with improved fire characteristics,
with reference to SEV TP 20B/3C and CENELEC HD 604 S1 part 5.H



- 1 Conductor: stranded
- 2 Fire barrier: high-performance Keram compound
- 3 Insulation: cross-linked polymer, zero halogen
- 4 Filler: flame retardant, zero halogen
- 5 Sheath: FRNC / LSZH



Description

Safety cables are installed in all areas that require special protection of people and equipment against fire and fire damages and where strict security requirements must be fulfilled.

Suitable for indoor applications. For outdoor applications, protection must be provided against exposure to direct sunlight. The cable should only be laid directly in earth or water if a protective conduit is used.

Permitted operating temperature at conductor of +90°C.

Costruzione

Colori delle anime	CENELEC HD 308 S2
Conduttore	Bare copper, stranded, IEC 60228 class 5, EN 60228
Isolamento	Special compound, HD 604 S1 part 5 H
Outer sheath material	Compound, HD 604 S1 part 5 H
Riempitrice	HD 604 S1 part 5 H

Proprietà generali

Installation temperature	-5 °C - +50 °C
Integrità dell'isolamento	FE 180
Operating temperature	-45 °C - +90 °C

Proprietà elettriche

Nominal voltage	300/500V
Test voltage 50Hz	2.000 V

Proprietà meccaniche

Curvatura minima durante l'installazione (multicore)	6 x D
Minimum bending radius permanent (multi core)	4 x D

Standards

Integrità del circuito (FE180)	IEC 60331-11/-21 (180 minutes),VDE 0472-814 (FE180),BS 6387 C/W/Z,IEC 60331-1 (120 minutes),IEC 60331-2 (120 minutes),EN 50200 (PH120 minutes),VDE 0482-200 (PH120),VDE 0482-362,AREI-RGIE Art.104-FR1
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA, SEV TPV11
Flame Propagation	AREI-RGIE Art.104-F1, EN 60332-1-2, IEC 60332-1-2, SEV TP 20B/3C 3.4.1.1, VDE 0482-332-1-2
Flame Spread	IEC 60332-3-24 Cat. C, EN 60332-3-24 Cat. C, VDE 0482-332-3-24 Cat. C, SEV TP 20B/3C 3.4.1.3, AREI-RGIE Art.104-F2
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD, SEV TP 20B/3C 3.4.3

Nota

Additional dimensions available on request.

Versions

Numero Materiale	Product	Numero di core	Diametro mm ²	Diametro esterno della guaina [mm]	Tasso di CU [kg\km]	Weight [kg\km]	Fire load [kWh\m]	Construction
188335	FE180 flex 3 x 1.5	3	1.5	8,5	43	123	0,27	LNPE
187554	FE180 flex 5 x 1.5	5	1.5	10,3	72	182	0,40	3LNPE
187179	FE180 flex 5 x 2.5	5	2.5	12,1	120	271	0,55	3LNPE
192367	FE180 flex 7 x 1.5	7	1.5	11	101	222	0,44	6LPE
185228	FE180 flex 8 x 1.5	8	1.5	12,4	115	273	0,56	6LNPE
191059	FE180 flex 12 x 1.5	12	1.5	14	173	313	0,72	11LPE
191060	FE180 flex 16 x 1.5	16	1.5	16	231	410	0,89	15LPE
191061	FE180 flex 21 x 1.5	21	1.5	18	303	527	1,10	20LPE

Con riserva di modifiche tecniche

A partire da 2021-03-22 12:08:54