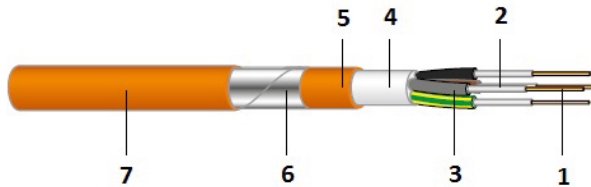


FE180 E30 CL

Safety cable, 0.6/1kV, armoured with rodent protection, Keram

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



- 1 Conductor: solid / stranded
- 2 Fire barrier: high-performance Keram compound
- 3 Insulation: cross-linked polymer, zero halogen
- 4 Filler: flame retardant, zero halogen
- 5 Inner Sheath: Polyolefin flame retardant, low smoke, zero halogen
- 6 Armouring: galvanised steel tape
- 7 Sheath: FRNC/LSZH



Descrizione

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

Conduttore	Bare copper, solid or stranded, IEC 60228 and EN 60228 ($\geq 16 \text{ mm}^2$: VDE 0295)
Isolamento	Special compound, HD 604 S1 part 5 H ($\geq 16 \text{ mm}^2$: double-layer insulation, special compound, VDE 0266 "HX11")
Colori delle anime	CENELEC HD 308 S2
Riempitrice	HD 604 S1 part 5 H ($\geq 16 \text{ mm}^2$: halogen-free polyolefin compound)
Guaina interna	Compound, HD 604 S1 part 5 H ($\geq 16 \text{ mm}^2$: Polyolefin compound, VDE 0276-604, CENELEC HD 604 S1 "HM 4", flame-retardant)
Materiale della guaina esterna	Compound, HD 604 S1 part 5 H (16 mm ² : in accordance with CENELEC HD 308 S2 and VDE 0293)
Armatura (protezione per roditori)	Single-core cable with copper tape (CLCU) and multicore cable with galvanised steel tape (CL)

Proprietà generali

Integrità del circuito	E30
Integrità dell'isolamento	FE 180
Installation temperature	-5 °C - +50 °C
Operating temperature	-45 °C - +90 °C

Proprietà elettriche

Nominal voltage	0.6/1kV
Tensione di prova a 50Hz	3.500 V

Proprietà meccaniche

Curvatura minima durante l'installazione (anima singola)	15 x D
Curvatura minima durante l'installazione (multicore)	12 x D
Minimum bending radius permanent (multi core)	12 x D
Minimum bending radius permanent (single core)	15 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), AREI-RGIE Art.104-FR1
Integrità del circuito di sistema	DIN 4102-12, AREI-RGIE Art.104-FR2
Densità del fumo	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
Zero alogeni nessun gas corrosivo	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA, SEV TPV11
Propagazione della fiamma	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, EN 60332-3-24, VDE 0482-332-3-24, SEV TP 20B/3C 3.4.1.3, AREI-RGIE Art.104-F2

Nota

* System Circuit Integrity is dependent on installation method

Versioni

Codice art.	Prodotto	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Conductor	GTIN / EAN
193886	FE180 E30 CL	11	43	210	0,46	solid	40393910065367
187199	FE180 E30 CL	12	72	255	0,50	solid	40393910074345
191097	FE180 E30 CL	14	115	373	0,69	solid	40393910069785
191121	FE180 E30 CL	15,8	173	481	0,90	solid	40393910069648
188354	FE180 E30 CL	18	288	651	1,20	solid	40393910072303
191595	FE180 E30 CL	14	96	296	0,56	solid	40393910069143
187167	FE180 E30 CL	16	154	408	0,79	solid	40393910074512
188352	FE180 E30 CL	17	230	535	1,06	solid	40393910072327
191038	FE180 E30 CL	14	120	388	0,76	solid	40393910070040
188350	FE180 E30 CL	16	192	488	1,05	solid	40393910072341
188353	FE180 E30 CL	17,5	288	640	1,28	solid	40393910072310
188397	FE180 E30 CL	21	480	964	1,76	solid	40393910072082
187197	FE180 E30 CL	16	168	476	0,91	solid	40393910074369
188355	FE180 E30 CL	19	403	794	1,53	solid	40393910072297
188356	FE180 E30 CL	23	672	1.201	2,13	solid	40393910072280
192461	FE180 E30 CL	15	115	403	0,85	solid	40393910067477
187128	FE180 E30 CL	16	192	489	1,04	solid	40393910074642
191104	FE180 E30 CL	18	308	684	1,36	solid	40393910069754

Additional dimensions available on request

Con riserva di modifiche tecniche

A partire da 2023-10-30 08:22:38