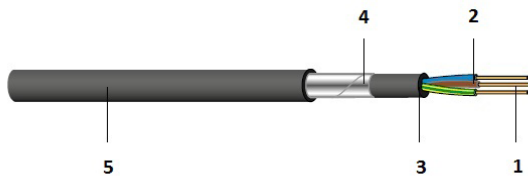


FE5-CL

Safety cable, 0.6/1kV, armoured with rodent protection, euroclass Dca

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 Insulation: cross-linked PE, zero halogen
- 3 Inner sheath: Polyolefin, flame retardant, zero halogen
- 4 Armouring: galvanised steel tape
- 5 Sheath: FRNC/LSZH



Description

For permanent installation in dry, damp or wet areas, on or behind plasterwork or in walls or concrete. Also suitable for outdoor applications.

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

Armatura (protezione per roditori)	galvanised steel tape (CL)
Colori delle anime	CENELEC HD 308 S2
Conduttore	Bare copper, solid or stranded, IEC 60228, EN 60228
Guaina interna	Flame retardant Polyolefin compound CENELEC HD 604 S1 part 5 sec. H
Isolamento	Cross-linked Polyethylene CENELEC HD 604 S1 part 5 sec. H
Outer sheath material	Flame retardant Polyolefin compound CENELEC HD 604 S1 part 5 sec. H

Proprietà generali

Installation temperature	-5 °C - +50 °C
Integrità del circuito	No
Integrità dell'isolamento	No
Operating temperature	-45 °C - +90 °C

Proprietà elettriche

Nominal voltage	0.6/1kV
Test voltage 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

Reaction to fire (Euroclasses)	EN 13501-6: D _{ca}
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Flame Propagation	AREI-RGIE Art.104-F1, EN 60332-1-2, IEC 60332-1-2, VDE 0482-332-1-2
Flame Spread	IEC 60332-3-24, EN 60332-3-24, 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

Nota

Additional dimensions available on request.

Versions

Numero Materiale	Product	Reaction To Fire	Numero di core	Diametro mm ²	Diametro esterno della guaina [mm]	Tasso di CU [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Conductor	Construction	Packing unit
19628600DZ	FE5-CL 1 x 35	Dca-s2,d1,a1	1	35	14	378	488	0,74	stranded	L	al metro
19621600DZ	FE5-CL-J 1 x 300	Dca-s2,d1,a1	1	300	33	2.976	3.354	3,61	stranded	L	al metro
19627500DZ	FE5-CL-J 2 x 1.5	Dca-s2,d1,a1	2	1.5	8	29	112	0,28	solid	LN	al metro
19586400DZ	FE5-CL-J 2 x 2.5	Dca-s2,d1,a1	2	2.5	10	49	151	0,37	solid	LN	al metro
19626800DZ	FE5-CL-J 3 x 1.5	Dca-s2,d1,a1	3	1.5	9	43	119	0,3	solid	LNPE	al metro
19273000DZ	FE5-CL-J 3 x 2.5	Dca-s2,d1,a1	3	2.5	10	72	168	0,41	solid	LNPE	al metro
19109100DZ	FE5-CL-J 3 x 4	Dca-s2,d1,a1	3	4	11	115	238	0,48	solid	LNPE	al metro
19156800DZ	FE5-CL-J 3 x 10	Dca-s2,d1,a1	3	10	16	288	505	0,91	solid	LNPE	al metro
19167200DZ	FE5-CL-J 4 x 1.5	Dca-s2,d1,a1	4	1.5	9	58	153	0,36	solid	3LPE	al metro
19164500DZ	FE5-CL-J 3 x 6	Dca-s2,d1,a1	3	6	13	173	333	0,65	solid	LNPE	al metro
19626100DZ	FE5-CL-J 4 x 2.5	Dca-s2,d1,a1	4	2.5	11	96	214	0,48	solid	3LPE	al metro
19626400DZ	FE5-CL-J 5 x 1.5	Dca-s2,d1,a1	5	1.5	10	72	176	0,45	solid	3LNPE	al metro
19106400DZ	FE5-CL-J 5 x 2.5	Dca-s2,d1,a1	5	2.5	12	120	260	0,59	solid	3LNPE	al metro
19273100DZ	FE5-CL-J 5 x 4	Dca-s2,d1,a1	5	4	14	192	364	0,73	solid	3LNPE	al metro
19059500DZ	FE5-CL-J 5 x 6	Dca-s2,d1,a1	5	6	16	288	497	0,92	solid	3LNPE	al metro
18838900DZ	FE5-CL-J 5 x 10	Dca-s2,d1,a1	5	10	18	480	743	1,56	solid	3LNPE	al metro
19040100DZ	FE5-CL-J 5 x 16	Dca-s2,d1,a1	5	16	24	768	1.120	2,03	stranded	3LNPE	al metro
19106300DZ	FE5-CL-J 5 x 25	Dca-s2,d1,a1	5	25	28	1.200	1.710	2,76	stranded	3LNPE	al metro
19109000DZ	FE5-CL-J 5 x 35	Dca-s2,d1,a1	5	35	31,8	1.680	2.277	3,44	stranded	3LNPE	al metro
19103600DZ	FE5-CL-J 5 x 50	Dca-s2,d1,a1	5	50	36	2.400	3.144	4,74	stranded	3LNPE	al metro
19160000DZ	FE5-CL-J 5 x 95	Dca-s2,d1,a1	5	95	49	4.560	5.854	8,16	stranded	3LNPE	al metro
18092900DZ	FE5-CL-J 7 x 6	Dca-s2,d1,a1	7	6	17	403	633	1,1	solid	6LPE	al metro
18453100DZ	FE5-CL-J 7 x 10	Dca-s2,d1,a1	7	10	20	672	964	1,48	solid	6LPE	al metro