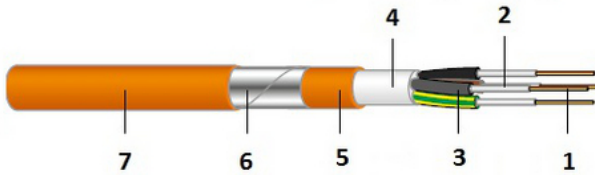


CU 6502 4P / 2x4P F8



Safety cable, 0.6/1kV armoured with rodent protection, Keram halogen-free, with improved fire characteristics, with reference to VDE 0266 and CENELEC HD 604 S1, circuit integrity (FE180) in accordance with VDE 0472-814, IEC 60331, System Circuit Integrity E30-E60* in accordance with DIN 4102-12



- 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



DESCRIPCIÓN

Cables with intrinsic fire resistance 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. These cables correspond to the demands of Circuit Integrity E30-E60* in accordance with DIN 4102-12. Circuit Integrity is guaranteed at an operating voltage up to 400V.

Permitted operating temperature at conductor of +90°C.

CONSTRUCCIÓN

Conductor	Bare copper, solid or stranded, IEC 60228, EN 60228, (VDE 0295)
Insulation	Double insulation, cross-linked, high-performance Keram special compound, VDE 0266 "HXI1"
Filler	Flame retardant, halogen-free, thermoplastic compound
Inner sheath	Flame retardant Polyolefin compound, CENELEC HD 604 S1 and VDE 0276-604 "HM4"
Armouring (rodent protection)	Single-core cable with copper tape (CLCU) and multicore cable with galvanised steel tape (CL)
Outer sheath	Flame retardant Polyolefin compound, CENELEC HD 604 S1 and VDE 0276-604 "HM4"
Core colours	CENELEC HD 308 S2 and VDE 0293
Sheath colour	Orange

PROPIEDADES ELÉCTRICAS

Nominal voltage	0.6/1kV
Test voltage	4000V, 50Hz

PROPIEDADES MECÁNICAS

Minimum bending radius	during and permanent installation	15 x D (single core cable) 12 x D (multicore cable) (D = outer diameter)
Operating temperature	permanent installation during installation	-45°C to +90°C -5°C to +50°C

NOTA

System Circuit Integrity is dependent on installation method.

ESTÁNDARES

Cero halógenos, gases no corrosivos	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Propagación de la flama	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1
Dispersión de la flama	IEC 60332-3-22/-24 Cat. A/C, EN 60332-3-22/-24 Cat. A/C, VDE 0482-332-3-22/-24 Cat. A/C, AREI-RGIE Art.104-F2
Densidad de humo	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD
Integridad de circuito (FE180)	IEC 60331-11/-21 (180 minutes), VDE 0472 part 814 (FE180), IEC 60331-1, IEC 60331-2 (120 minutes), EN 50200, VDE 0482-200 (PH120) and EN 50362, VDE 0482-362 (120 minutes), BS 6387 C/W/Z, AREI-RGIE Art.104-FR1
Integridad del Sistema de Circuito	DIN 4102 part 12, AREI-RGIE Art.104-FR2

VERSIONES

N° de artículo	Producto	Número de núcleos	Diámetro [mm ²]	Forro Ø [mm]	Peso [kg/km]	Prop. Cu [kg/km]	Carga de fuego [kWh/m]	Construcción	Conductor
192350	(N)HXH-O CL FE180 E30-E60 2 x 1.5	2	1.5	14.9	334	29	0.94	LN	de corrido
187562	(N)HXH-O CL FE180 E30-E60 2 x 2.5	2	2.5	16	383	48	1.02	LN	de corrido

CU 6502 4P / 2x4P F8



Safety cable, 0.6/1kV armoured with rodent protection, Keram halogen-free, with improved fire characteristics, with reference to VDE 0266 and CENELEC HD 604 S1, circuit integrity (FE180) in accordance with VDE 0472-814, IEC 60331, System Circuit Integrity E30-E60* in accordance with DIN 4102-12

191612	(N)HXH-O CL FE180 E30-E60 2 x 4	2	4	17	450	77	1.13	LN	de corrido
187563	(N)HXH-O CL FE180 E30-E60 2 x 6	2	6	18	531	115	1.25	LN	de corrido
191107	(N)HXH-J CL FE180 E30-E60 3 x 1.5	3	1.5	16	363	43	1.00	LNPE	de corrido
186940	(N)HXH-J CL FE180 E30-E60 3 x 2.5	3	2.5	16.3	425	72	1.10	LNPE	de corrido
192351	(N)HXH-J CL FE180 E30-E60 3 x 4	3	4	18	509	115	1.22	LNPE	de corrido
188326	(N)HXH-J CL FE180 E30-E60 3 x 6	3	6	19	607	173	1.35	LNPE	de corrido
191597	(N)HXH-J CL FE180 E30-E60 3 x 10	3	10	21	785	288	1.54	LNPE	de corrido
188327	(N)HXH-J CL FE180 E30-E60 3 x 16	3	16	24	1074	461	1.93	LNPE	trenzado
190590	(N)HXH-J CL FE180 E30-E60 4 x 2.5	4	2.5	18	484	96	1.22	3LPE	de corrido
191102	(N)HXH-J CL FE180 E30-E60 4 x 4	4	4	19	585	154	1.36	3LPE	de corrido
192593	(N)HXH-J CL FE180 E30-E60 4 x 6	4	6	20	709	230	1.51	3LPE	de corrido
192594	(N)HXH-J CL FE180 E30-E60 4 x 10	4	10	22	940	384	1.76	3LPE	de corrido
186980	(N)HXH-J CL FE180 E30-E60 4 x 16	4	16	25	1293	614	2.20	3LPE	trenzado
186981	(N)HXH-J CL FE180 E30-E60 4 x 25	4	25	29	1814	960	2.78	3LPE	trenzado
186982	(N)HXH-J CL FE180 E30-E60 4 x 35	4	35	32	2296	1344	3.16	3LPE	trenzado
190589	(N)HXH-J CL FE180 E30-E60 4 x 50	4	50	36	3030	1920	4.02	2LNPE	trenzado
192428	(N)HXH-J CL FE180 E30-E60 4 x 70	4	70	40	4015	2688	5.05	3LPE	trenzado
192429	(N)HXH-J CL FE180 E30-E60 4 x 95	4	95	46	5343	3648	6.52	3LPE	trenzado
192430	(N)HXH-J CL FE180 E30-E60 4 x 120	4	120	49	6433	4608	7.26	3LPE	trenzado
192347	(N)HXH-J CL FE180 E30-E60 5 x 1.5	5	1.5	18	464	72	1.25	3LNPE	de corrido
188117	(N)HXH-J CL FE180 E30-E60 5 x 2.5	5	2.5	19	556	120	1.38	3LNPE	de corrido
188118	(N)HXH-J CL FE180 E30-E60 5 x 4	5	4	20	675	192	1.54	3LNPE	de corrido
186941	(N)HXH-J CL FE180 E30-E60 5 x 6	5	6	21	825	288	1.72	3LNPE	de corrido
186942	(N)HXH-J CL FE180 E30-E60 5 x 10	5	10	24	1095	480	1.98	3LNPE	de corrido
187154	(N)HXH-J CL FE180 E30-E60 5 x 16	5	16	27	1452	768	2.53	3LNPE	trenzado
190525	(N)HXH-J CL FE180 E30-E60 5 x 16	5	16	26	1531	768	2.53	3LNPE	trenzado
186984	(N)HXH-J CL FE180 E30-E60 5 x 25	5	25	31	2168	1200	3.23	3LNPE	trenzado
187132	(N)HXH-J CL FE180 E30-E60 5 x 35	5	35	35	2702	1680	3.85	3LNPE	trenzado
190529	(N)HXH-J CL FE180 E30-E60 5 x 35	5	35	35	2801	1680	3.85	3LNPE	trenzado
187131	(N)HXH-J CL FE180 E30-E60 5 x 50	5	50	39	3613	2400	4.83	3LNPE	trenzado
191565	(N)HXH-J CL FE180 E30-E60 5 x 50	5	50	39	3678	2400	4.83	3LNPE	trenzado
194049	(N)HXH-J CL FE180 E30-E60 5 x 70	5	70	45	4999	3360	6.05	3LNPE	trenzado
188094	(N)HXH-J CL FE180 E30-E60 6 x 4	6	4	20	693	230	1.74	5LPE	de corrido
185232	(N)HXH-J CL FE180 E30-E60 7 x 1.5	7	1.5	19	531	101	1.38	6LPE	de corrido
185245	(N)HXH-J CL FE180 E30-E60 7 x 4	7	4	21	797	269	1.71	6LPE	de corrido
185247	(N)HXH-J CL FE180 E30-E60 7 x 6	7	6	23	985	403	1.9	6LPE	de corrido
185248	(N)HXH-J CL FE180 E30-E60 7 x 10	7	10	25	1340	672	2.2	6LPE	de corrido
188095	(N)HXH-J CL FE180 E30-E60 8 x 4	8	4	23	834	307	1.91	7LPE	de corrido
185239	(N)HXH-J CL FE180 E30-E60 12 x 2.5	12	2.5	23	945	288	2.13	LPE	de corrido
185233	(N)HXH-J CL FE180 E30-E60 16 x 1.5	16	1.5	24	923	230	2.24	15LPE	de corrido
192725	(N)HXH-J CL FE180 E30-E60 16 x 2.5	16	2.5	26	1154	384	2.52	15LPE	de corrido
185235	(N)HXH-J CL FE180 E30-E60 30 x 1.5	30	1.5	30	1401	432	3.25	29LPE	de corrido
185241	(N)HXH-J CL FE180 E30-E60 30 x 2.5	30	2.5	33	1839	720	3.81	29LPE	de corrido

Additional dimensions available on request.