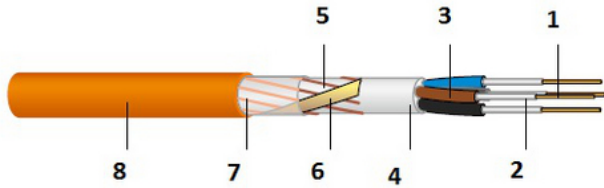


CU 6502 4P / 2x4P F8



Safety cable, 0.6/1kV, 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 E90 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 **Concentric conductor:** bare copper wire
- 6 **Reinforcing helix:** bare copper tape
- 7 **Separator:** plastic tape
- 8 **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 System Circuit Integrity E90* in accordance with DIN 4102-12. System Circuit Integrity is guaranteed at an operating voltage up to 400V. Permitted operating temperature at conductor of +90°C. 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 "HX11"
Filler	Halogen-free compound or plastic tape
Concentric conductor	Bare copper wires with reinforced helix
Separator	Plastic tape
Outer sheath	Polyolefin compound, CENELEC HD 604 S1, 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	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
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 4102-12, VdS 3423, AREI-RGIE Art.104-FR2

VERSIONES

Nº 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
186071	(N)HXCH FE180 E90 3 x 1.5/1.5	3	1.5/1.5	13.2	248.9	66	0.65	3L	de corrido

As of 19.08.2019

Subject to technical modification.

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 halogen-free, with improved fire characteristics,
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186195	(N)HXCH FE180 E90 3 x 2.5/2.5	3	2.5/2.5	14.1	308.6	104	0.72	3L	de corrido
186197	(N)HXCH FE180 E90 3 x 4/4	3	4/4	15.6	402.7	161	0.84	3L	de corrido
187278	(N)HXCH FE180 E90 3 x 6/6	3	6/6	16.9	527	240	0.94	3L	de corrido
187279	(N)HXCH FE180 E90 3 x 10/10	3	10/10	18.6	10	408	1.15	3L	de corrido
187251	(N)HXCH FE180 E90 3 x 16/16	3	16/16	24.4	10	643	1.64	3L	trenzado
187406	(N)HXCH FE180 E90 3 x 25/16	3	25/16	25.8	10	902	1.95	3L	trenzado
172417	(N)HXCH FE180 E90 3 x 35/16	3	35/16	29	1945.7	1190	2.25	3L	trenzado
187408	(N)HXCH FE180 E90 3 x 50/25	3	50/25	32.5	2556.3	1723	2.90	3L	trenzado
187409	(N)HXCH FE180 E90 3 x 70/35	3	70/35	37.6	3539.4	2410	3.42	3L	trenzado
187410	(N)HXCH FE180 E90 3 x 95/50	3	95/50	41.9	4611.6	3296	4.50	3L	trenzado
187411	(N)HXCH FE180 E90 3 x 120/70	3	120/70	45.3	5703.1	4236	5.02	3L	trenzado
187412	(N)HXCH FE180 E90 3 x 150/70	3	150/70	50	6930.6	5100	6.00	3L	trenzado
187414	(N)HXCH FE180 E90 3 x 240/120	3	240/120	62.4	11183.2	8242	9.08	3L	trenzado
186072	(N)HXCH FE180 E90 4 x 1.5/1.5	4	1.5/1.5	14.1	284.3	81	0.73	3LN	de corrido
186196	(N)HXCH FE180 E90 4 x 2.5/2.5	4	2.5/2.5	15.1	355.8	128	0.82	3LN	de corrido
186198	(N)HXCH FE180 E90 4 x 4/4	4	4/4	16.7	467.2	200	0.96	3LN	de corrido
186199	(N)HXCH FE180 E90 4 x 6/6	4	6/6	18.1	625.3	297	1.13	3LN	de corrido
186200	(N)HXCH FE180 E90 4 x 10/10	4	10/10	20.1	868.2	504	1.33	3LN	de corrido
186131	(N)HXCH FE180 E90 4 x 16/16	4	16/16	25.3	1400.1	796	1.81	3LN	trenzado
186132	(N)HXCH FE180 E90 4 x 25/16	4	25/16	28.9	1897.6	1142	2.28	3LN	trenzado
186133	(N)HXCH FE180 E90 4 x 35/16	4	35/16	31.6	2379.9	1526	2.60	3LN	trenzado
186134	(N)HXCH FE180 E90 4 x 50/25	4	50/25	36.7	3247.2	2203	3.49	3LN	trenzado
186135	(N)HXCH FE180 E90 4 x 70/35	4	70/35	41.3	4374.8	3082	4.25	3LN	trenzado
186136	(N)HXCH FE180 E90 4 x 95/50	4	95/50	46.4	5745.8	4208	5.53	3LN	trenzado
186137	(N)HXCH FE180 E90 4 x 120/70	4	120/70	50.1	7094.3	5388	6.25	3LN	trenzado
186138	(N)HXCH FE180 E90 4 x 150/70	4	150/70	55.3	8650.9	6540	7.58	3LN	trenzado
186139	(N)HXCH FE180 E90 4 x 185/95	4	185/95	60.8	10751.1	8159	9.18	3LN	trenzado
186140	(N)HXCH FE180 E90 4 x 240/120	4	240/120	69.2	13980.3	10546	11.60	3LN	trenzado
186073	(N)HXCH FE180 E90 7 x 1.5/2.5	7	1.5/2.5	16.1	393.9	133	0.94	7L	de corrido
191096	(N)HXCH FE180 E90 7 x 2.5/2.5	7	2.5/2.5	17.3	492.7	200	1.05	7L	de corrido
187415	(N)HXCH FE180 E90 12 x 1.5/2.5	12	1.5/2.5	20.2	596.9	205.8	1.38	12L	de corrido
187402	(N)HXCH FE180 E90 24 x 1.5/6	24	1.5/6	27	1078	413	2.32	24L	de corrido
187403	(N)HXCH FE180 E90 24 x 2.5/10	24	2.5/10	29.6	1441.6	696	2.69	24L	de corrido
187404	(N)HXCH FE180 E90 30 x 1.5/6	30	1.5/6	28.4	1250	499	2.67	30L	de corrido

Additional dimensions available on request.