CEMBRE

PKE

Wire ferrules, pre-insulated with PA6, for flexible copper conductors



Certifications & approvals

UL (cULus)

Description

The **PKE series insulated end sleeves** enable **reliable connections on copper conductors**.
They are made from **high-purity electrolytic copper tubes** and undergo **annealing** and **electrolytic tin-plating** processes to facilitate crimping and increase resistance to mechanical stress.
They are fitted with a **halogen-free PA6 insulated cover**, which helps to keep the conductor strands compact and improve the reliability of the connection.
The PKE series end sleeves are **UL-certified** and comply with the **EN 45545-2** standard.
They are the ideal solution for **facilitating the insertion of conductors into terminals with limited space**, **whilst keeping the copper wires compact**.

Features

Technical information

Minimum operating temperature	-20°C
Maximum operating temperature	120°C
Threshold of operating temperature for short periods	130°C
Easy insertion input	Yes
Surface treatment	tin plating
Compatible cable class	5 class
Crimping geometry	Square
Crimping geometry	trapezium

Material composition and treatments

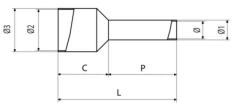
Conductor body material	Electrolitic copper with purity above 99.95%
Insulated cover material	Polyamide
Annealing	Yes
Halogen free	Yes

Classification and data ordering

Customs code	85369010

Certifications

ROHS compliant	Yes
EN 45545-2 certification	HL1
Self-extinguishing fire class according to UL 94	V2



PKE

tipo	Insulated cover colour	Range of cable cross section [mm²]	C [mm]	Ø2 [mm]	Ø3 [mm]	Cable stripping length [mm]	Ø1 [mm]	P [mm]	L [mm]	Unit in minimal packaging [pce]	Unit in standard packaging [pce]	UL standard
PKE308	yellow	0.1 - 0.3	4	1.9	2.4	8	1.1	8	12	500	20000	
PKE508	white	0.3 - 0.5	6	2.6	3.1	8	1.3	8	14	500	10000	486F
PKE7508	blue	0.75	6	2.8	3.3	8	1.5	8	14	500	10000	486F
PKE108	red	1	6	3	3.5	8	1.7	8	14	500	10000	486F
PKE1508	black	1.5	6	3.5	4	8	2	8	14	500	5000	486F
PKE1510	black	1.5	6	3.5	4	10	2	10	16	500	5000	486F
PKE1518	black	1.5	6	3.5	4	18	2	18	24	500	5000	486F

tipo	Insulated cover colour	Range of cable cross section [mm²]	C [mm]	Ø2 [mm]	Ø3 [mm]	Cable stripping length [mm]	Ø1 [mm]	P [mm]	L [mm]	Unit in minimal packaging [pce]	Unit in standard pack-aging [pce]	UL standard
PKE2508	grey	2.5	6	4.2	4.7	8	2.5	8	14	500	5000	486F
PKE2512	grey	2.5	6	4.2	4.7	12	2.5	12	18	500	4000	486F
PKE2518	grey	2.5	6	4.2	4.7	18	2.5	18	24	500	3000	486F
PKE410	orange	4	7	4.8	5.4	10	3.2	10	17	200	3000	486F
PKE412	orange	4	8	4.8	5.4	12	3.2	12	20	200	3000	486F
PKE418	orange	4	8	4.8	5.4	18	3.2	18	26	200	3000	486F
PKE612	green	6	8	6.3	6.9	12	3.9	12	20	100	1500	486F
PKE618	green	6	8	6.3	6.9	18	3.9	18	26	100	1500	486F
PKE1012	brown	10	10	7.6	8.4	12	4.9	12	22	100	1000	486F
PKE1018	brown	10	10	7.6	8.4	18	4.9	18	28	100	1000	486F
PKE1612	ivory	16	12	8.8	9.6	12	6.2	12	24	100	800	486F
PKE1618	ivory	16	10	8.8	9.6	18	6.2	18	28	100	800	486F
PKE25016	black	25	14	11.2	12	16	7.7	16	30	50	400	486F
PKE25022	black	25	14	11.2	12	22	7.7	22	36	50	400	486F

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