CEMBRE

PKD

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



Certifications & approvals

UL (cULus)

Description

The **PKD 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 wires compact and improve the reliability of the connection.
The PKD 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

Easy insertion input	Yes
Surface treatment	tin plating

Material composition and treatments

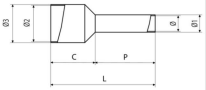
Conductor body material	Electrolitic copper with purity above 99.95%

Classification and data ordering

Customs code	85369010

Certifications

ROHS compliant	Yes



PKD

tipo	Minimum operating temperature [°c]	Maximum operating temperature [°c]	Threshold of operating temperature for short periods [°c]	Insulated cover colour	Compatible cable class	Crimping geometry	Range of cable cross section [mm²]	Insulated cover material	Annealing	Halogen free	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]	EN 45545-2 certification (r22)
PKD506	-20	120	130	white	5 class	Square; trapezium	0.3 - 0.5	Polyamide	Yes	Yes	6	2.6	3.1	6	1.3	6	12	500	10000	HL1
PKD508	-20	120	130	white	5 class	Square; trapezium	0.3 - 0.5	Polyamide	Yes	Yes	6	2.6	3.1	8	1.3	8	14	500	10000	HL1
PKD510	-20	120	130	white	5 class	Square; trapezium	0.3 - 0.5	Polyamide	Yes	Yes	6	2.6	3.1	10	1.3	10	16	500	10000	HL1
PKD7506	-20	120	130	grey	5 class	Square; trapezium	0.75	Polyamide	Yes	Yes	6	2.8	3.3	6	1.5	6	12	500	10000	HL1
PKD7508	-20	120	130	grey	5 class	Square; trapezium	0.75	Polyamide	Yes	Yes	6	2.8	3.3	8	1.5	8	14	500	10000	HL1
PKD7510	-20	120	130	grey	5 class	Square; trapezium	0.75	Polyamide	Yes	Yes	6	2.8	3.3	10	1.5	10	16	500	10000	HL1
PKD7512	-20	120	130	grey	5 class	Square; trapezium	0.75	Polyamide	Yes	Yes	6	2.8	3.3	12	1.5	12	18	500	10000	HL1
PKD106	-20	120	130	red	5 class	Square; trapezium	1	Polyamide	Yes	Yes	6	3	3.5	6	1.7	6	12	500	10000	HL1
PKD108	-20	120	130	red	5 class	Square; trapezium	1	Polyamide	Yes	Yes	6	3	3.5	8	1.7	8	14	500	10000	HL1
PKD110	-20	120	130	red	5 class	Square; trapezium	1	Polyamide	Yes	Yes	6	3	3.5	10	1.7	10	16	500	10000	HL1
PKD112	-20	120	130	red	5 class	Square; trapezium	1	Polyamide	Yes	Yes	6	3	3.5	12	1.7	12	18	500	8000	HL1

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PKD1508	-20	120	130	black	5 class	Square; trapezium	1.5	Polyamide	Yes	Yes	6	3.5	4	8	2	8	14	500	5000	HL1
PKD1510	-20	120	130	black	5 class	Square; trapezium	1.5	Polyamide	Yes	Yes	6	3.5	4	10	2	10	16	500	5000	HL1
PKD1512	-20	120	130	black	5 class	Square; trapezium	1.5	Polyamide	Yes	Yes	6	3.5	4	12	2	12	18	500	5000	HL1
PKD1518	-20	120	130	black	5 class	Square; trapezium	1.5	Polyamide	Yes	Yes	6	3.5	4	18	2	18	24	500	5000	HL1
PKD2508	-20	120	130	blue	5 class	Square; trapezium	2.5	Polyamide	Yes	Yes	6	4.2	4.7	8	2.5	8	14	500	5000	HL1
PKD2512	-20	120	130	blue	5 class	Square; trapezium	2.5	Polyamide	Yes	Yes	6	4.2	4.7	12	2.5	12	18	500	4000	HL1
PKD2518	-20	120	130	blue	5 class	Square; trapezium	2.5	Polyamide	Yes	Yes	6	4.2	4.7	18	2.5	18	24	500	5000	HL1
PKD410	-20	120	130	grey	5 class	Square; trapezium	4	Polyamide	Yes	Yes	7	4.8	5.4	10	3.2	10	17	200	3000	HL1
PKD412	-20	120	130	grey	5 class	Square; trapezium	4	Polyamide	Yes	Yes	8	4.8	5.4	12	3.2	12	20	200	3000	HL1
PKD418	-20	120	130	grey	5 class	Square; trapezium	4	Polyamide	Yes	Yes	8	4.8	5.4	18	3.2	18	26	200	3000	HL1
PKD612	-20	120	130	yellow	5 class	Square; trapezium	6	Polyamide	Yes	Yes	8	6.3	6.9	12	3.9	12	20	100	1500	HL1
PKD618	-20	120	130	yellow	5 class	Square; trapezium	6	Polyamide	Yes	Yes	8	6.3	6.9	18	3.9	18	26	100	1500	HL1
PKD1012	-20	120	130	red	5 class	Square; trapezium	10	Polyamide	Yes	Yes	10	7.6	8.4	12	4.9	12	22	100	1000	HL1
PKD1018	-20	120	130	red	5 class	Square; trapezium	10	Polyamide	Yes	Yes	10	7.6	8.4	18	4.9	18	28	100	1000	HL1
PKD1612	-20	120	130	blue	5 class	Square; trapezium	16	Polyamide	Yes	Yes	12	8.8	9.6	12	6.2	12	24	100	800	HL1
PKD1618	-20	120	130	blue	5 class	Square; trapezium	16	Polyamide	Yes	Yes	10	8.8	9.6	18	6.2	18	28	100	800	HL1
PKD35018	-20	120	130	red	5 class	Square; trapezium	35	Polyamide	Yes	Yes	14	12.7	13.5	18	8.7	18	32	50	400	HL1
PKD25016	-20	120	130	yellow	5 class	Square; trapezium	25	Polyamide	Yes	Yes	14	11.2	12	16	7.7	16	30	50	400	HL1
PKD25022	-20	120	130	yellow	5 class	Square; trapezium	25	Polyamide	Yes	Yes	14	11.2	12	22	7.7	22	36	50	400	HL1
PKD25018	-20	120	130	yellow	5 class	Square; trapezium	25	Polyamide	Yes	Yes	14	11.2	12	18	7.7	18	32	50	400	HL1
PKD35016	-20	120	130	red	5 class	Square; trapezium	35	Polyamide	Yes	Yes	14	12.7	13.5	16	8.7	16	30	50	300	HL1
PKD35025	-20	120	130	red	5 class	Square; trapezium	35	Polyamide	Yes	Yes	14	12.7	13.5	25	8.7	25	39	50	200	HL1
PKD50020	-20	120	130	blue	5 class	Square; trapezium	50	Polyamide	Yes	Yes	16	15	16.4	20	10.9	20	36	50	200	HL1
PKD50025	-20	120	130	blue	5 class	Square; trapezium	50	Polyamide	Yes	Yes	15	15	16.4	25	10.9	25	40	50	150	HL1
100017		110		blue			2.5	Polypropylene			7	4.2	4.8	11	2.6	10	17	500	500	
100040		110		yellow			70	Polypropylene			17	16	17.2	22	13.5	20	37	25	25	
100041		110		yellow			70	Polypropylene			16	16	17.2	30	13.5	27	43	25	25	
100042		110		red			95	Polypropylene			19	18	19.2	28	15.5	25	44	25	25	

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100044		110		blue			120	Polypropylene			21	20	21.4	30	17.6	27	48	25	25	
100046		110		yellow			150	Polypropylene			26	23	25	36	20	32	58	25	25	

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