

# INSULATED CHAIN TERMINALS CP-U

## *fork/spade terminals*

The “CP” range of terminals has been designed to meet the increasing demands for improved safety and reliability of electrical connectors.

Developed for use with production equipment, to give a quick and reliable crimped joint, the polycarbonate insulation is a halogen free, self extinguishing thermoplastic material class V0 (UL 94).

The unique funnel shaped entry of the insulation sleeve guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection.



## Technical details

The connectors are manufactured from electrolytic Copper Cu-ETP CWO04A according to UNI EN 1652:1999 and are tin plated with a minimum thickness of 3µm.

Main characteristics of the PC sleeves:


- >DIELECTRIC STRENGTH (KV/mm): > 30
- >VOLUME RESISTIVITY ( $\Omega/cm$ ):  $>10^{16}$
- >MAX OPERATING TEMPERATURE ( $^{\circ}C$ ): 115-130
- >FLAMMABILITY (UL-94): V0
- >DENSITY ( $g/cm^3$ ): 1,2
- >WATER ABSORPTION (%): 0,15
- >BREAKING LOAD ( $N/mm^2$ ): > 65

The connectors can be stored at a minimum temperature not below - 40°C.

## Markings

Certified according to **EN 45545-2:2013** for Hazard Levels HL1 - HL2, requirement set R22 and for Hazard Levels HL1 - HL2 - HL3, requirement set R23

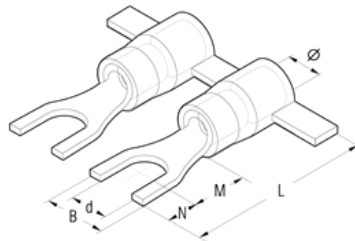
CERTIFICATES 

 2011/65/EU

# INSULATED CHAIN TERMINALS CP-U

## *Technical characteristics*

Easy entry	yes
Halogen Free	yes
UL94 class	V0
Min operating temperature range	-20 °C
Max operating temperature range	115 °C
Max operating temperature range (surge)	130 °C
Dimensional form	Fork/spade terminal
Material (Body)	ETP Copper electrolytically tinned
Material (Partially reinforced)	Polycarbonate



# INSULATED CHAIN TERMINALS CP-U

## List of products

### CRP-U *Cable type: flexible copper, Minimum section: 0.25 mm<sup>2</sup>, Maximum section: 1.5 mm<sup>2</sup>*



Type	Colour	Ø	B	M	N	L	d	Pack qty
CRP-U3	Red	4 mm	5.5 mm	5.5 mm	4 mm	16.6 mm	3.2 mm	2,000
CRP-U3.5	Red	4 mm	6 mm	6.5 mm	3.8 mm	20.4 mm	3.7 mm	2,000
CRP-U3.5/2	Red	4 mm	6.4 mm	6.5 mm	3.8 mm	20.4 mm	3.7 mm	2,000
CRP-U4	Red	4 mm	6.5 mm	7.5 mm	3.7 mm	21.3 mm	4.3 mm	2,000
CRP-U4/1	Red	4 mm	8.5 mm	7.5 mm	3.7 mm	21.3 mm	4.3 mm	2,000
CRP-U4/2	Red	4 mm	7.5 mm	7.5 mm	3.7 mm	21.3 mm	4.3 mm	2,000
CRP-U5	Red	4 mm	8.5 mm	7.5 mm	3.7 mm	21.3 mm	5.3 mm	2,000
CRP-U6	Red	4 mm	9.4 mm	8.1 mm	4.7 mm	22.9 mm	6.4 mm	2,000
CRP-U6/1	Red	4 mm	12 mm	9.2 mm	7.1 mm	26.4 mm	6.4 mm	2,000
CRP-U8	Red	4 mm	14 mm	10 mm	6.3 mm	26.4 mm	8.4 mm	2,000

### CRP-U *Cable type: copper, Minimum section: 0.25 mm<sup>2</sup>, Maximum section: 1.5 mm<sup>2</sup>*



Type	Colour	Ø	B	M	N	L	d	Pack qty
CRP-U3	Red	4 mm	5.5 mm	5.5 mm	4 mm	16.6 mm	3.2 mm	2,000
CRP-U3.5	Red	4 mm	6 mm	6.5 mm	3.8 mm	20.4 mm	3.7 mm	2,000
CRP-U3.5/2	Red	4 mm	6.4 mm	6.5 mm	3.8 mm	20.4 mm	3.7 mm	2,000
CRP-U4	Red	4 mm	6.5 mm	7.5 mm	3.7 mm	21.3 mm	4.3 mm	2,000
CRP-U4/1	Red	4 mm	8.5 mm	7.5 mm	3.7 mm	21.3 mm	4.3 mm	2,000
CRP-U4/2	Red	4 mm	7.5 mm	7.5 mm	3.7 mm	21.3 mm	4.3 mm	2,000
CRP-U5	Red	4 mm	8.5 mm	7.5 mm	3.7 mm	21.3 mm	5.3 mm	2,000
CRP-U6	Red	4 mm	9.4 mm	8.1 mm	4.7 mm	22.9 mm	6.4 mm	2,000
CRP-U6/1	Red	4 mm	12 mm	9.2 mm	7.1 mm	26.4 mm	6.4 mm	2,000
CRP-U8	Red	4 mm	14 mm	10 mm	6.3 mm	26.4 mm	8.4 mm	2,000

**CBP-U** Cable type: copper, Minimum section: 1.5 mm<sup>2</sup>, Maximum section: 2.5 mm<sup>2</sup>


Type	Colour	Ø	B	M	N	L	Length of the hooked	d	Pack qty
CBP-U3	Blue	4.9 mm	5.5 mm	5.5 mm	4 mm	19.6 mm		3.2 mm	1,750
CBP-U3.5	Blue	4.9 mm	6.4 mm	6.5 mm	3.8 mm	20.4 mm		3.7 mm	1,750
CBP-U4	Blue	4.9 mm	6.5 mm	7.5 mm	3.7 mm	21.3 mm		4.3 mm	1,750
CBP-U4/1	Blue	4.9 mm	8.5 mm	7.5 mm	3.7 mm	21.3 mm		4.3 mm	1,750
CBP-U4/2	Blue	4.9 mm	7.5 mm	7.5 mm	3.7 mm	21.3 mm		4.3 mm	1,750
CBP-U5	Blue	4.9 mm	8.5 mm	7.5 mm	3.7 mm	21.3 mm		5.3 mm	1,750
CBP-U6	Blue	4.9 mm	4.9 mm	8.1 mm	4.7 mm	22.9 mm		6.4 mm	1,750
CBP-U4/3L	Blue	4.6 mm	6.5 mm			14.5 mm	9.5 mm	4.3 mm	1,750

**CBP-U** Cable type: flexible copper, Minimum section: 1.5 mm<sup>2</sup>, Maximum section: 2.5 mm<sup>2</sup>


Type	Colour	Ø	B	M	N	L	Length of the hooked	d	Pack qty
CBP-U3	Blue	4.9 mm	5.5 mm	5.5 mm	4 mm	19.6 mm		3.2 mm	1,750
CBP-U3.5	Blue	4.9 mm	6.4 mm	6.5 mm	3.8 mm	20.4 mm		3.7 mm	1,750
CBP-U4	Blue	4.9 mm	6.5 mm	7.5 mm	3.7 mm	21.3 mm		4.3 mm	1,750
CBP-U4/1	Blue	4.9 mm	8.5 mm	7.5 mm	3.7 mm	21.3 mm		4.3 mm	1,750
CBP-U4/2	Blue	4.9 mm	7.5 mm	7.5 mm	3.7 mm	21.3 mm		4.3 mm	1,750
CBP-U5	Blue	4.9 mm	8.5 mm	7.5 mm	3.7 mm	21.3 mm		5.3 mm	1,750
CBP-U6	Blue	4.9 mm	4.9 mm	8.1 mm	4.7 mm	22.9 mm		6.4 mm	1,750
CBP-U4/3L	Blue	4.6 mm	6.5 mm			14.5 mm	9.5 mm	4.3 mm	1,750

**CGP-U** Cable type: flexible copper, Minimum section: 4 mm<sup>2</sup>, Maximum section: 6 mm<sup>2</sup>


Type	Colour	Ø	B	M	N	L	d	Pack qty
CGP-U3.5	Yellow	6.6 mm	7.5 mm	8.5 mm	3.9 mm	26.5 mm	3.7 mm	1,250
CGP-U4	Yellow	6.6 mm	7.5 mm	8 mm	4.4 mm	26.5 mm	4.3 mm	1,750
CGP-U5	Yellow	6.6 mm	9.5 mm	8 mm	4.4 mm	26.5 mm	5.3 mm	1,750
CGP-U6	Yellow	6.6 mm	10 mm	11 mm	5.5 mm	30.6 mm	6.4 mm	1,750

**CGP-U** Cable type: copper, Minimum section: 4 mm<sup>2</sup>, Maximum section: 6 mm<sup>2</sup>


Type	Colour	Ø	B	M	N	L	d	Pack qty
CGP-U3.5	Yellow	6.6 mm	7.5 mm	8.5 mm	3.9 mm	26.5 mm	3.7 mm	1,250
CGP-U4	Yellow	6.6 mm	7.5 mm	8 mm	4.4 mm	26.5 mm	4.3 mm	1,750
CGP-U5	Yellow	6.6 mm	9.5 mm	8 mm	4.4 mm	26.5 mm	5.3 mm	1,750
CGP-U6	Yellow	6.6 mm	10 mm	11 mm	5.5 mm	30.6 mm	6.4 mm	1,750