

INSULATED CHAIN TERMINALS CP-FP

female disconnect terminals fully insulated

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 (Ω/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 $-40^{\circ}C$.

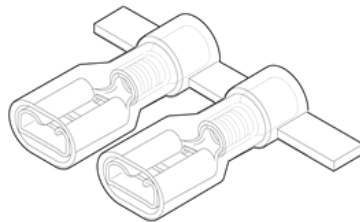
Markings

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

INSULATED CHAIN TERMINALS CP-FP

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 | Female terminal |
| Material (Body) | Electrolytically tin-plated brass |
| Material (Partially reinforced) | ETP Copper electrolytically tinned |
| Material (Insulated) | Polycarbonate |



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List of products

CRP-FP *Cable type: flexible copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²*



| Type | Colour | Width | Length | Height of the hooked | Pack qty |
|-----------|--------|---------|---------|----------------------|----------|
| CRP-F405P | Red | 4.8 mm | 20 mm | 0.5 mm | 2,000 |
| CRP-F408P | Red | 4.8 mm | 20 mm | 0.8 mm | 2,000 |
| CRP-F608P | Red | 6.35 mm | 22.7 mm | 0.8 mm | 1,500 |

CRP-FP *Cable type: copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²*



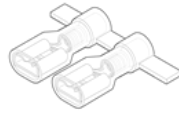
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CBP-FP *Cable type: copper, Minimum section: 1.5 mm², Maximum section: 2.5 mm²*



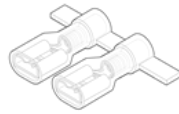
| Type | Colour | Width | Length | Height of the hooked | Pack qty |
|-----------|--------|---------|---------|----------------------|----------|
| CBP-F408P | Blue | 4.8 mm | 20 mm | 0.8 mm | 1,500 |
| CBP-F608P | Blue | 6.35 mm | 23.1 mm | 0.8 mm | 1,500 |

CBP-FP Cable type: flexible copper, Minimum section: 1.5 mm², Maximum section: 2.5 mm²



| Type | Colour | Width | Length | Height of the hooked | Pack qty |
|-----------|--------|---------|---------|----------------------|----------|
| CBP-F408P | Blue | 4.8 mm | 20 mm | 0.8 mm | 1,500 |
| CBP-F608P | Blue | 6.35 mm | 23.1 mm | 0.8 mm | 1,500 |

CGP-FP Cable type: flexible copper, Minimum section: 4 mm², Maximum section: 6 mm²



| Type | Colour | Width | Length | Height of the hooked | Pack qty |
|-----------|--------|---------|---------|----------------------|----------|
| CGP-F608P | Yellow | 6.35 mm | 25.8 mm | 0.8 mm | 1,250 |

CGP-FP Cable type: copper, Minimum section: 4 mm², Maximum section: 6 mm²



| Type | Colour | Width | Length | Height of the hooked | Pack qty |
|-----------|--------|---------|---------|----------------------|----------|
| CGP-F608P | Yellow | 6.35 mm | 25.8 mm | 0.8 mm | 1,250 |