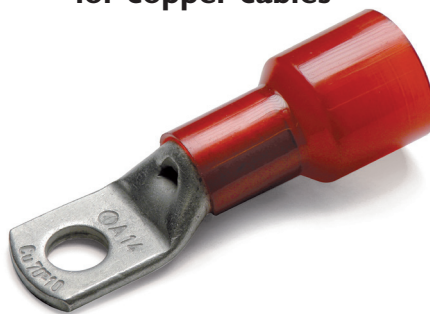


AN-M, EN-M, IN-M, ON-M, UN-M PA6.6 SERIES INSULATED CONNECTORS for copper cables



Description:

- AN-M, IN-M, EN-M series terminals are in particular studied for use with flexible cables.
- They are manufactured from electrolytic copper Cu-OF CW008A according to UNI EN 13600:2003.
- Annealed and electrically tin plated, thickness min. 3µm.
- Annealing process of the terminal optimizes the structural features of the material, so permitting an easier compression guaranteeing the use in presence of various mechanical solicitations.
- PA6.6 insulation sleeve eases the installation operations and the cable insulation restoration; furthermore the internal funnel shape assures an ease and complete introduction of the conductor into the barrel of the connector.
- For the same cable section there are different types of connectors with various entries of the PA6.6 sleeve in different diameters so to receive cable with different insulation thicknesses .
- Additionally the insulation sleeve surrounds the cable so preventing its sudden bending at the connector entrance consequently increasing the resistance to the mechanical solicitations which could damage the elementary strands of the conductor.
- Polyamide 6.6 (PA6.6) insulating sleeve main features :
 - DIELECTRIC RIGIDITY (KV/mm) : >16,5
 - VOLUME RESISTIVITY ($\Omega \cdot \text{cm}$) : >10¹³
 - MAX OPERATING TEMPERATURE (°C) : 115-130
 - FLAMMABILITY (UL-94) : V-2
 - DENSITY (g/cm³) : 1,14
 - H₂O (%) ABSORPTION : 1,5
 - BREAKING RESISTANCE (N/mm²) : 77
- Connectors can be used within the following temperature ranges : - 20 ÷ + 115°C (+ 130° C per short periods)
- Connectors can be stocked to a min temperature not lower than - 40°C.

Each connectors is engraved:

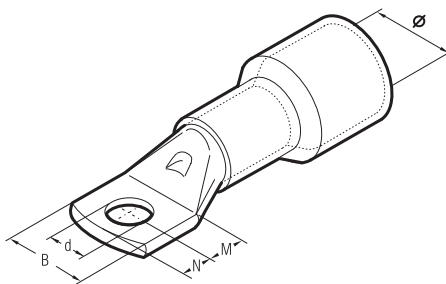
- trademark and Cembre catalogue number.
- material and section of the conductor (mm²).
- Ø of the screw (mm).

Cembre SpA

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 Tel.: +39 030 36921 - Fax: +39 030 3365766
 Web: www.cembre.com - Email: info@cembre.com

AN-M, EN-M, IN-M, ON-M, UN-M PA6.6 SERIES INSULATED CONNECTORS for copper cables

Sections and Dimensions:



Cable section mm ²	Type	Insulation sleeve	
		Ø mm	Colour
1,5÷2,5 F	AN 06-M.....	4,1	● blue
	IN 06-M.....	5,3	● green
	ENR 06-M.....	6,0	
	EN 06-M.....	6,9	● blue
4÷6 F	AN 1-M.....	5,3	● yellow
	IN 1-M.....	6,6	○ neutral
	ON 1-M.....	7,6	
	UN 1-M.....	8,7	● blue
	EN 1-M.....	14,1	● red
10 F 10 R	AN 2-M.....	8,0	● red
	IN 2-M.....	10,8	● blue
	ENR 2-M.....	12,5	
	EN 2-M.....	15,1	● red
16 F 16 R	AN 3-M.....	9,2	● blue
	EN 3-M.....	11,7	
	IN 3-M.....	16,9	● red
25 F 25 R	AN 5-M.....	11,1	● yellow
25÷35 F 35 R	AN 7-M.....	11,9	● red
	EN 7-M.....	13,0	● blue
	IN 7-M.....	18,7	● red
35 F 50 R	AN 10-M.....	13,8	○ neutral
	IN 10-M.....	15,0	● blue
	ENR 10-M.....	17,3	
	EN 10-M.....	20,2	● red
50 F 70 R	AN 14-M.....	15,8	● blue
	IN 14-M.....	16,9	
	EN 14-M.....	21,9	● red
70 F 95 R	AN 19-M.....	18,0	● blue
	EN 19-M.....	19,6	
	IN 19-M.....	24,3	● red
95 F 120 R	AN 24-M.....	20,0	● red
	IN 24-M.....	22,2	● blue
	EN 24-M.....	27,1	● red
120 F 150 R	AN 30-M.....	23,0	● red
	EN 30-M.....	24,5	● blue
	IN 30-M.....	29,0	● red
150 F 185 R	INR 37-M.....	29,0	● blue
	IN 37-M.....	31,6	● red
185 F	EN 48-M.....	29,4	● red
	IN 48-M.....	34,5	
240 F	EN 60-M.....	33,5	● red
	IN 60-M.....	38,0	
300 F	EN 80-M.....	37,7	● blue
	IN 80-M.....	41,1	● red

F: flexible cable
R: low stranded

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