Copper Cable - METRIUM

Cobre blando 95 mm2

Imagen referencial

Nexans Ref.: P00014775-4
Country Ref.: 10000073

CONTACT

Local Sales
ventas.peru@nexans.com

International Designation: SOFT COPPER 95 mm2

APPLICATION

The soft copper conductor is used in grounding systems, equipment protection and general applications, while the hard copper conductor is used in overhead transmission lines and overhead transmission networks where a higher breaking load is required.

STANDARDS

PRODUCT

ASTM B1; ASTM B3; ASTM B8; NTP 370.251

CONSTRUCTION

Conductor: Copper, soft or hard.

TYPE CONDUCTOR

Copper cables in mm2 Class 2 or copper cables in AWG Class B.

CROSS SECTION

From 50 mm2 up to 120 mm2.

2/0 AWG y 4/0 AWG.

MARKING

INDECO BY NEXANS BARE COPPER WIRE - Section or Gauge - MADE IN PERU (- sequential length M. || sequential length M. +).

PACKING

Non returnable wooden reels.

PRODUCT STANDARDS

NTP 370.251: Copper cables for overhead (bare or protected) and grounded.

ASTM B 1: Hard-drawn copper wire.

ASTM B 3: Soft or annealed copper wire.

ASTM B 8: Concentric-Lay-Stranded copper conductors with hard, medium-hard, and soft copper.

CHARACTERISTICS

Construction characteristics	
Conductor material	Soft copper
Conductor shape	Circular
Type of conductor	Class 2

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Dimensional characteristics	
Conductor cross-section	95 mm²
Total number of wires	19
Wire diameter	2.51 mm
Conductor diameter	12.5 mm
Approximate weight	852 kg/km
Conductor cross-section (AWG/KCMIL)	
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	0.189 Ohm/km
Perm current rating in air 30°C	425 A
Mechanical characteristics	
Elongation	10 %
Minimum Tensile Strength Conductor	- kN
Usage characteristics	
Midspan	No
Reference	03

CALCULATION OF CURRENT CONDITION COPPER CABLE

CALCULATION OF CURRENT CONDITION
Maximum conductor temperature : 75°C.
Ambient air temperature : 30°C.