Cempex Cables

CU CEMPEX 2X 25^+6E

Contact

General Sales inquiries Phone: 0508 NEXANS sales.nz@nexans.com

Nexans ref.: DTHC17AA002CXHF

Country ref.: 4427

Cu Conductors, XLPE insulation, Laid up, Black PVC sheath, 0.6/1 kV. Made to AS/ NZS 5000.1. Circular multicore with integral earth.

DESCRIPTION

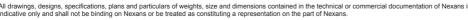
Application

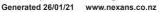
- Industrial, commercial and domestic applications.
- For use in various situations to supply the main power from the point of supply to buildings, equipment, sheds, eg, switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.



STANDARDS

National AS/NZS 5000.1









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CHARACTERISTICS

Construction characteristics	
Type of conductor	Circular compacted stranded
Conductor material	Copper
Insulation	XLPE
Outer sheath	PVC
Sheath colour	Black
With Green/Yellow core	Yes
With smaller neutral conductor	No
Core identification	Red, White, Blue, Green/Yellow
Dimensional characteristics	
Number of cores	3
Conductor cross-section	25 mm²
Earth conductor cross section	6 mm²
Nominal overall diameter	20.0 mm
Gland Size (A2 or A2F)	32
Approximate weight	0.738 kg/m
Electrical characteristics	
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Mechanical characteristics	
Cable flexibility	Rigid
Jsage characteristics	
Max. conductor temperature in service	90 °C

CORE COLOURS

No. of Cores	Colour
4	RD, WH, BU, GNYE
5	RD, WH, BU, BK, GNYE



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CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - 3 -4 CORE PLUS EARTH CU CEMPEX CABLES

Copper Conductor Circular stranded Insulation XLPE Max. Conductor Temperature 90C

Conductor cross-section [mm²]	⊗ Cu	© Cu	© Cu	© Cu	C u	Cu		
10	73	68	58	67	67	34		
16	97	91	75	118	87	45		
25	131	122	100	153	114	62		
35	162	151	125	184	139	76		
50	198	185	150	218	166	-		
70	252	234	190	269	207	-		
95	311	289	230	323	249	-		
Air spaced from surface, unenclosed	⊗ Aiı	Air touching, unenclosed			Air enclosed			
Buried direct	Bu	Buried in single-way duct			Cable surrounded by thermal insulation, unenclosed			



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• Ambient Air Temperature: 30°C

• Soil Temperature: 15°C

· Soil Thermal Resistivity: 1.2 K.m/W

• Depth of Burial: 0.5 m

