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

Nexans ref.: <u>ENHP09AA003CXRJ</u> Country ref.: 1750

Cu Conductors, PVC insulation, Laid up, Black PVC sheath, 450/750 V. Made to AS/ NZS 5000.2. Circular multicore with integral earth.

DESCRIPTION

Application

- Industrial, commercial and domestic applications
- Small mains cables.



STANDARDS

National AS/NZS 5000.2

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Remolex Cables

CU REMOLEX 3X 4+2.5E

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CHARACTERISTICS

Conductor materialCopperType of conductorCircular, strandedInsulationPVCOuter sheathPVCOuter sheathPVCWith Green/Yellow coreYesWith Green/Yellow coreNoCore identificationRed, White, Blue, Green/YellowDimensional characteristics4Number of cores4Conductor cross section4Gland Size (A2 or A2F)20Approximate weight0.27 kg/mRated Voltage Uo/U450/750 VRated Voltage Uo/U450/750 VMax. DC resistance of the conductor at 20°C (Ohm/km)450/750 VCable flexibilityRigidU-V resistanceKigidU-V resistanceYesMax. conductor temperature in serviceYes	Construction characteristics		
Insulation PVC Outer sheath PVC With Green/Yellow core Yes With smaller neutral conductor No Core identification Red, White, Blue, Green/Yellow Dimensional characteristics No Number of cores 4 Conductor cross-section 4 mm² Earth conductor cross section 2.5 mm² Nominal overall diameter 2.25 mm² Qiand Size (A2 or A2F) 20 Approximate weight 0.27 kg/m Rated Voltage Uo/U 450/750 V Rated Voltage Uo/U (Um) 450/750 V Max. DC resistance of the conductor at 20°C (Ohm/km) 4.61 Mechanical characteristics Rigid Usage characteristics Rigid	Conductor material	Copper	
Outer sheathPVCOuter sheathPVCWith Green/Yellow coreYesWith smaller neutral conductorNoCore identificationRed, White, Blue, Green/YellowDimensional characteristics4Number of cores4Conductor cross-section4 mm²Earth conductor cross section2.5 mm²Nominal overall diameter12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristics20Rated Voltage Uo/U450/750 VRated Voltage Uo/U450/750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristics8igidCable flexibilityRigidU.V resistanceYes	Type of conductor	Circular, stranded	
With Green/Yellow coreYesWith Green/Yellow coreNoCore identificationRed, White, Blue, Green/YellowDimensional characteristicsYesNumber of cores4Conductor cross-section4 mm²Earth conductor cross section2.5 mm²Nominal overall diameter12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristics21Rated Voltage Uo/U450/750 VRated Voltage Uo/U4.51Max. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristics12Cable flexibilityRigidU.V resistanceYes	Insulation	PVC	
With smaller neutral conductorNoCore identificationRed, White, Blue, Green/YellowDimensional characteristicsNumber of cores4Conductor cross-section4 mm²Earth conductor cross section2.5 mm²Nominal overall diameter12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristicsRated Voltage Uo/U450/750 VRated Voltage Uo/U (Um)4.61Max. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsCable flexibilityRigidU.V resistanceYes	Outer sheath	PVC	
Core identificationRed, White, Blue, Green/YellowDimensional characteristicsNumber of cores4Conductor cross-section4 mm²Earth conductor cross section2.5 mm²Nominal overall diameter12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristics1000000000000000000000000000000000000	With Green/Yellow core	Yes	
Dimensional characteristicsNumber of cores4Conductor cross-section4 mm²Earth conductor cross section2.5 mm²Rated conductor cross section12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristics1Rated Voltage Uo/U450/750 VRated Voltage Uo/U (Um)450/750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsKigidUsage characteristics1U.V resistanceYes	With smaller neutral conductor	No	
Number of cores4Number of cores4 mm²Conductor cross-section2.5 mm²Earth conductor cross section2.5 mm²Nominal overall diameter12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristics70Rated Voltage Uo/U450/750 VRated Voltage Uo/U450/750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristics8kigidUsage characteristics78kigid	Core identification	Red, White, Blue, Green/Yellow	
Conductor cross-section4 mm²Earth conductor cross section2.5 mm²Nominal overall diameter12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristics1000000000000000000000000000000000000	Dimensional characteristics		
Earth conductor cross section2.5 mm²Nominal overall diameter12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristicsRated Voltage Uo/U450/750 VRated Voltage Uo/U (Um)450/750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsCable flexibilityRigidUsage characteristicsYes	Number of cores	4	
Nominal overall diameter12.4 mmGland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristicsRated Voltage Uo/U450/750 VRated Voltage Uo/U (Um)450/750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsCable flexibilityRigidU.V resistanceYes	Conductor cross-section	4 mm²	
Gland Size (A2 or A2F)20Approximate weight0.27 kg/mElectrical characteristics450/750 VRated Voltage Uo/U450/750 VRated Voltage Uo/U (Um)450 / 750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsKigidCable flexibilityRigidUsage characteristicsYes	Earth conductor cross section	2.5 mm²	
Approximate weight0.27 kg/mElectrical characteristics450/750 VRated Voltage Uo/U450/750 VRated Voltage Uo/U (Um)450 / 750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsKigidCable flexibilityRigidUsage characteristicsYes	Nominal overall diameter	12.4 mm	
Electrical characteristicsRated Voltage Uo/U450/750 VRated Voltage Uo/U (Um)450 / 750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsRigidCable flexibilityRigidUsage characteristicsYes	Gland Size (A2 or A2F)	20	
Rated Voltage Uo/U450/750 VRated Voltage Uo/U (Um)450 / 750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsCable flexibilityCable flexibilityRigidUsage characteristicsYes	Approximate weight	0.27 kg/m	
Rated Voltage Uo/U (Um)450 / 750 VMax. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsKigidCable flexibilityRigidUsage characteristicsYes	Electrical characteristics		
Max. DC resistance of the conductor at 20°C (Ohm/km)4.61Mechanical characteristicsRigidCable flexibilityRigidUsage characteristicsYes	Rated Voltage Uo/U	450/750 V	
Mechanical characteristics Rigid Cable flexibility Rigid Usage characteristics Yes	Rated Voltage Uo/U (Um)	450 / 750 V	
Cable flexibilityRigidUsage characteristicsU.V resistanceU.V resistanceYes	Max. DC resistance of the conductor at 20°C (Ohm/km)	4.61	
Usage characteristics U.V resistance Yes	Mechanical characteristics		
U.V resistance Yes	Cable flexibility	Rigid	
	Usage characteristics		
Max. conductor temperature in service 75 °C	U.V resistance	Yes	
	Max. conductor temperature in service	75 °C	

CORE COLOURS

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

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CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CORE REMOLEX PVC

Copper conductor Circular stranded Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section	8	8	\otimes	STATE:			
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
1.5	18	17	16	20	20	9	
2.5	26	25	23	28	28	13	
4	35	33	29	36	36	17	
6	46	42	38	46	46	22	
10	62	58	50	61	61	29	
16	82	78	66	106	80	39	
Air Spaced from Surface, Unenclosed	🛞 Air	touching, unenc	losed	Air end	closed		
Buried direct	Bui	ied in single-wa	y duct		surrounded by ion, unenclosed		

Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C
- Soil Temperature: 15°C
- Soil Thermal Resistivity: 1.2 K.m/W
- Depth of Burial: 0.5 m

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