

■ Design

1 Conductor

Stranded copper Class 2
Round Shaped (compacted)

2 Insulation

XLPE

3 Bedding

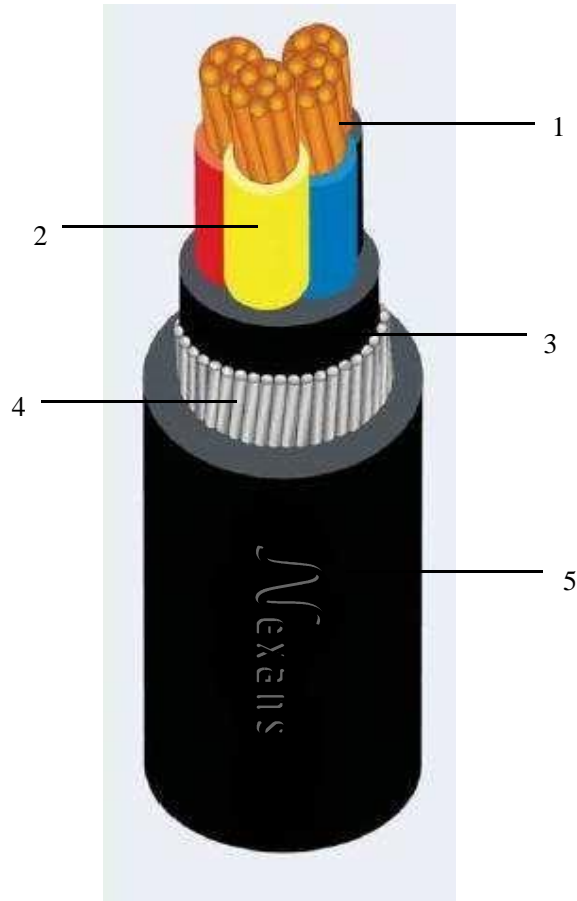
PVC

4 Armour

Round Steel Wire Armour

5 Outer sheath

PVC
Black



■ Marking

METER MARKING
<NEXANS KABELMETAL GH.
LTD.>
CCU/PVC- CROSS SECTION IEC
60227-3 450/750 V DD MM YYY

■ Core identification

2 core: Red-Blue
3 core: Red-Blue-Yellow
4 core: Red-Yellow-Blue-Black
5 core: Red-Yellow-Blue-Black-
Green/Yellow

More than 5 cores - All white with
number marking

Note: core colours are produced to
customer requirement

■ Standards

IEC 60502
IEC 60228

CONSTRUCTIONAL DATA

Type	: CU/XLPE/SWA/PVC
According to regulation	: IEC 60502
Rated voltage	(kV) : 0.6/1
Nominal cross-section area of conductor	(mm ²) : 16
Number of cores	: 4
Material of conductor	: Copper
Type of conductor	: Stranded
Material of insulation	: XLPE
Material of filler	: PVC
Armouring type	: Round Steel Wires
Material of outer sheath	: PVC

IDENTIFICATION

Identification of core(s)	: RED-YELLOW-BLUE-BLACK
Outersheath color	: BLACK

DIMENSIONAL DATA

Nominal insulation thickness	(mm) : 0.7
Conductor diameter	(mm) : 4.7
Nominal sheath thickness	(mm) : 1.8
Under Armour diameter (Approx.)	(mm) : 16.8
Overall diameter (Approx.)	(mm) : 22.9(=+7%)
Net weight of cable (Approx.)	(kg/km) : 1409
Minimum bending radius of cable on drum	(mm) : 229

ELECTRICAL DATA

Permissible operating temp of conductor	(°C) : 90
Permissible short-circuit temperature up to 5 sec.	(°C) : 250
Conductor DC resistance at 20 °C (phase)	(Ohm/km) : 1.15
Current carrying capacity in ground (20°C, 2.5K.m/W, Depth: 0.7m)	(A) : 128
Current carrying capacity in air (30°C)	(A) : 119

SPECIFIC NOTES

Flame Retardant according to the test standard	: YES
Low Temperature	: NO
Outer sheath Oil Resistant	: NO
Outer sheath Hydrocarbon Resistant	: NO
Longitudinal water blocking	: NO
Radial water blocking	: NO
Graphite Coated	: NO
Resistant to Color Fading	: YES

ADDITIVES (OPTIONAL)

Anti-Termite	: NO
Anti-Rodent	: NO
Marking	: <NEXANS KABELMETALGH. LTD> NC2XRY 4 X 16RS IEC 60502 600/1000 V <YEAR>

All drawings, information, particular of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans. Should there be a specific change request on the provided data, please contact Nexans for advice

CONSTRUCTIONAL DATA

Type	: CU/XLPE/SWA/PVC
According to regulation	: IEC 60502
Rated voltage	(kV) : 0.6/1
Nominal cross-section area of conductor	(mm ²) : 25
Number of cores	: 4
Material of conductor	: Copper
Type of conductor	: Stranded
Material of insulation	: XLPE
Material of filler	: PVC
Armouring type	: Round Steel Wires
Material of outer sheath	: PVC

IDENTIFICATION

Identification of core(s)	: RED-YELLOW-BLUE-BLACK
Outersheath color	: BLACK

DIMENSIONAL DATA

Nominal insulation thickness	(mm) : 0.9
Conductor diameter	(mm) : 5.9
Nominal sheath thickness	(mm) : 1.8
Under Armour diameter (Approx.)	(mm) : 20.7
Overall diameter (Approx.)	(mm) : 27.5(=+7%)
Net weight of cable (Approx.)	(kg/km) : 2078
Minimum bending radius of cable on drum	(mm) : 275

ELECTRICAL DATA

Permissible operating temp of conductor	(°C) : 90
Permissible short-circuit temperature up to 5 sec.	(°C) : 250
Conductor DC resistance at 20 °C (phase)	(Ohm/km) : 0.727
Current carrying capacity in ground (20°C, 2.5K.m/W, Depth: 0.7m)	(A) : 162
Current carrying capacity in air (30°C)	(A) : 157

SPECIFIC NOTES

Flame Retardant according to the test standard	: YES
Low Temperature	: NO
Outer sheath Oil Resistant	: NO
Outer sheath Hydrocarbon Resistant	: NO
Longitudinal water blocking	: NO
Radial water blocking	: NO
Graphite Coated	: NO
Resistant to Color Fading	: YES

ADDITIVES (OPTIONAL)

Anti-Termite	: NO
Anti-Rodent	: NO
Marking	: <NEXANS KABELMETALGH. LTD> NC2XRY 4 X 25RS IEC 60502 600/1000 V <YEAR>

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