

CU/PVC

0.45/0.75 kV

Max core temperature: 70°C

Low Voltage Cable

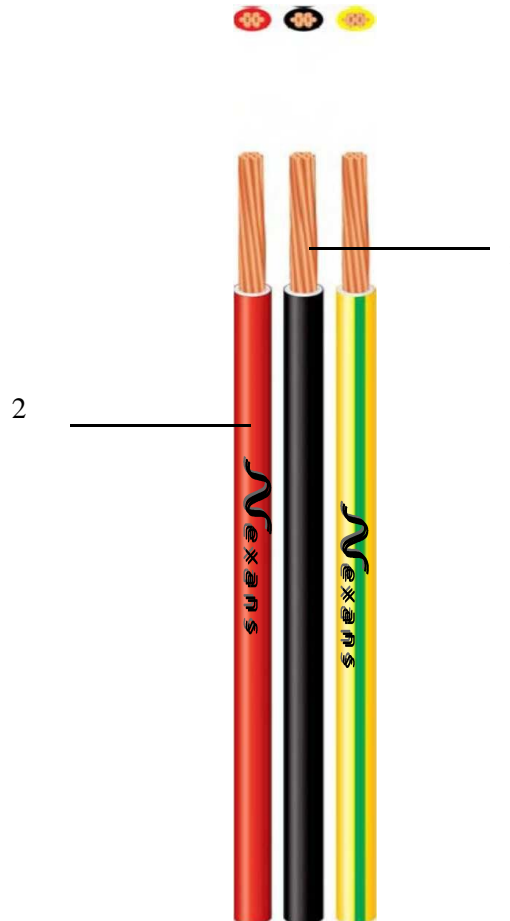
■ Design

1 Conductor

Stranded copper Class 2
2.5mm² - 4 mm² (Non compact)

2 Insulation

PVC



■ Marking

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

■ Core identification

Red, Black, Green/Yellow,
Blue, Brown

■ Standards

IEC 60227-3
IEC 60228

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Low Voltage Cable

CONSTRUCTIONAL DATA

Type	: CU/PVC
According to regulation	: IEC 60227-3
Rated voltage	(V): 450/750
Nominal cross-section area of conductor	(mm ²): 1.5
Number of cores	: 1
Material of conductor	: Copper
Type of conductor	: Stranded
Material of insulation	: PVC

DIMENSIONAL DATA

Nominal insulation thickness	(mm): 0.7
Conductor diameter	(mm): 1.6
Overall diameter (Approx.)	(mm): 3.0 (±7%)
Net weight of cable (Approx.)	(kg/km): 22

ELECTRICAL DATA

Permissible operating temp of conductor	(°C): 70
Permissible short-circuit temperature up to 5 sec.	(°C): 160
Conductor DC resistance at 20 °C (phase)	(Ohm/km): 12.1
Current carrying capacity in air (30°C)	(A): 16

SPECIFIC NOTES

Flame retardant according to the test standard	: YES
Low Smoke	: YES
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> NCY 1.5 RS IEC 60227-3 450/750 V <YEAR>

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Max core temperature: 70°C

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CONSTRUCTIONAL DATA

Type	: CU/PVC
According to regulation	: IEC 60227-3
Rated voltage	(V): 450/750
Nominal cross-section area of conductor	(mm ²): 2.5
Number of cores	: 1
Material of conductor	: Copper
Type of conductor	: Stranded
Material of insulation	: PVC

IDENTIFICATION

Colours	: RED, BLACK, GREEN/YELLOW, BLUE and all colours requested by customer
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DIMENSIONAL DATA

Nominal insulation thickness	(mm): 0.8
Conductor diameter	(mm): 2.0
Overall diameter (Approx)	(mm): 3.6 (±7%)
Net weight of cable (Approx)	(kg/km): 33

ELECTRICAL DATA

Permissible operating temp.of conductor	(°C): 70
Permissible short-circuit temperature up to 5 sec.	(°C): 160
Conductor DC resistance at 20 °C (phase)	(Ohm/km): 7.41
Current carrying capacity in air (30°C)	(A): 21

SPECIFIC NOTES

Flame retardant according to the test standard	: YES
Low Smoke	: YES
Outersheath Oil Resistant	: NO
Outersheath 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

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CONSTRUCTIONAL DATA

Type	: CU/PVC
According to regulation	: IEC 60227-3
Rated voltage	(V): 450/750
Nominal cross-section area of conductor	(mm ²): 4
Number of cores	: 1
Material of conductor	: Copper
Type of conductor	: Stranded
Material of insulation	: PVC

IDENTIFICATION

Colours	: RED, BLACK, GREEN/YELLOW, BLUE and all colours requested by customer
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DIMENSIONAL DATA

Nominal insulation thickness	(mm): 0.8
Conductor diameter	(mm): 2.6
Overall diameter (Approx)	(mm): 4.2 (±7%)
Net weight of cable (Approx)	(kg/km): 49

ELECTRICAL DATA

Permissible operating temp.of conductor	(°C): 70
Permissible short-circuit temperature up to 5 sec.	(°C): 160
Conductor DC resistance at 20 °C (phase)	(Ohm/km): 4.61
Current carrying capacity in air (30°C)	(A): 28

SPECIFIC NOTES

Flame retardant according to the test standard	: YES
Low Smoke	: YES
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

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CONSTRUCTIONAL DATA

Type	: CU/PVC
According to regulation	: IEC 60227-3
Rated voltage	(V): 450/750
Nominal cross-section area of conductor	(mm ²): 6
Number of cores	: 1
Material of conductor	: Copper
Type of conductor	: Stranded
Material of insulation	: PVC

IDENTIFICATION

Colours	: RED, BLACK, GREEN/YELLOW, BLUE and all colours requested by customer
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DIMENSIONAL DATA

Nominal insulation thickness	(mm): 0.8
Conductor diameter	(mm): 3.1
Overall diameter (Approx)	(mm): 4.7 (±7%)
Net weight of cable (Approx)	(kg/km): 70

ELECTRICAL DATA

Permissible operating temp. of conductor	(°C):
Permissible short-circuit temperature up to 5 sec.	(°C):
Conductor DC resistance at 20 °C (phase)	(Ohm/km): 3.08
Current carrying capacity in air (30°C)	(A): 36

SPECIFIC NOTES

Flame retardant according to the test standard	: YES
Low Smoke	: YES
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

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CONSTRUCTIONAL DATA

Type	: CU/PVC
According to regulation	: IEC 60227-3
Rated voltage	(V): 450/750
Nominal cross-section area of conductor	(mm ²): 10
Number of cores	: 1
Material of conductor	: Copper
Type of conductor	: Stranded
Material of insulation	: PVC

IDENTIFICATION

Colours	: RED, BLACK, GREEN/YELLOW, BLUE and all colours requested by customer
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DIMENSIONAL DATA

Nominal insulation thickness	(mm): 1.0
Conductor diameter	(mm): 3.8
Overall diameter (Approx)	(mm): 5.8 (±7%)
Net weight of cable (Approx)	(kg/km): 117

ELECTRICAL DATA

Permissible operating temp.of conductor	(°C):
Permissible short-circuit temperature up to 5 sec.	(°C):
Conductor DC resistance at 20 °C (phase)	(Ohm/km): 1.83
Current carrying capacity in air (30°C)	(A): 50

SPECIFIC NOTES

Flame retardant according to the test standard	: YES
Low Smoke	: YES
Outersheath Oil Resistant	: NO
Outersheath 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

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CONSTRUCTIONAL DATA

Type	: CU/PVC
According to regulation	: IEC 60227-3
Rated voltage	(V): 450/750
Nominal cross-section area of conductor	(mm ²): 16
Number of cores	: 1
Material of conductor	: Copper
Type of conductor	: Stranded
Material of insulation	: PVC

IDENTIFICATION

Colours	: RED, BLACK, GREEN/YELLOW, BLUE and all colours requested by customer
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DIMENSIONAL DATA

Nominal insulation thickness	(mm): 1.0
Conductor diameter	(mm): 4.7
Overall diameter (Approx)	(mm): 6.7 (±7%)
Net weight of cable (Approx)	(kg/km): 177

ELECTRICAL DATA

Permissible operating temp.of conductor	(°C):
Permissible short-circuit temperature up to 5 sec.	(°C):
Conductor DC resistance at 20 °C (phase)	(Ohm/km): 1.15
Current carrying capacity in air (30°C)	(A): 68

SPECIFIC NOTES

Flame retardant according to the test standard	: YES
Low Smoke	: YES
Outersheath Oil Resistant	: NO
Outersheath 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

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Marking	: <NEXANS KABELMETAL GH.LTD> NCY 16 RS IEC 60227-3 450/750 V <YEAR>
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