

PN 750V

connecting wire



GENERAL INFO

Cable for open or hidden pipe installation and as a connecting cable. Yellow / red color is allowed for signal reference earth, tele and data (SRJ).  
Cenelec: H07V-R

CABLE CONSTRUCTION

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Conductor material                   | Copper                              |
| Core insulation material             | Polyvinyl chloride (PVC)            |
| Drain wire                           | No                                  |
| Longitudinal water blocking cable    | No                                  |
| Radial water blocking cable          | No                                  |
| Core identification (acc. HD 308 S2) | Yes                                 |
| Twisted cores                        | No                                  |
| Screen                               | No                                  |
| Lead sheath                          | No                                  |
| Material outer sheath                | Polyvinyl chloride (PVC)            |
| Cable shape                          | Round                               |
| Flame retardant                      | In accordance with EN/IEC 60332-1-2 |

MARKING TEXT ON OUTER SHEATH (EXAMPLE)

STANDARDS APPLIED



EN 50525-2-31 IEC 60227-3  
IEC 60228 class 2  
IEC 60332-1  
EN 50575:2014+A1:2016

Construction  
Conductors  
Flame retardant properties  
Reaction to fire

APPLICATION PROPERTIES

|                                          |                                     |
|------------------------------------------|-------------------------------------|
| Nominal voltage U0 [V]                   | 450                                 |
| Nominal voltage U [V]                    | 750                                 |
| Flame retardant                          | In accordance with EN/IEC 60332-1-2 |
| Reaction-to-fire class (acc. EN 13501-6) | Eca                                 |
| Max. conductor temperature [°C]          | 70                                  |
| Bending radius (rule)                    | 3xD                                 |

## PRODUCT RANGE / ORDER DATA

| Basic construction | Colour outer sheath | DOP number | Packaging type | Standard packaging quantity | EAN-code (GTIN) | SAP      | EL no.  |
|--------------------|---------------------|------------|----------------|-----------------------------|-----------------|----------|---------|
| 1,5mm <sup>2</sup> | Grey                | 1002608    | Bobbin         | 150                         | 7021521717294   | 20075844 | 1060700 |
| 1,5mm <sup>2</sup> | Grey                | 1002608    | Bobbin         | 150                         | 7021521717867   | 20075373 | 1060701 |
| 1,5mm <sup>2</sup> | Blue                | 1002608    | Bobbin         | 150                         | 7021521718697   | 20075370 | 1060702 |
| 1,5mm <sup>2</sup> | Green/yellow        | 1002608    | Bobbin         | 150                         | 7021521719434   | 20075842 | 1060703 |
| 1,5mm <sup>2</sup> | Brown               | 1002608    | Bobbin         | 150                         | 7021521719687   | 20075369 | 1060704 |
| 2,5mm <sup>2</sup> | Black               | 1002608    | Bobbin         | 100                         | 7021521720089   | 20075847 | 1060707 |
| 2,5mm <sup>2</sup> | Grey                | 1002608    | Bobbin         | 100                         | 7021521720508   | 20075378 | 1060708 |
| 2,5mm <sup>2</sup> | Blue                | 1002608    | Bobbin         | 100                         | 7021521720812   | 20075846 | 1060709 |
| 2,5mm <sup>2</sup> | Green/yellow        | 1002608    | Bobbin         | 100                         | 7021521721642   | 20075376 | 1060710 |
| 2,5mm <sup>2</sup> | Brown               | 1002608    | Bobbin         | 100                         | 7021521721901   | 20075841 | 1060711 |
| 6mm <sup>2</sup>   | Black               | 1003501    | Bobbin         | 300                         | 6430065754107   | 20343688 | 1060722 |
| 6mm <sup>2</sup>   | Blue                | 1003501    | Bobbin         | 300                         | 6430065754084   | 20343691 | 1060723 |
| 6mm <sup>2</sup>   | Green/yellow        | 1003501    | Bobbin         | 300                         | 6430065754091   | 20343689 | 1060730 |
| 6mm <sup>2</sup>   | Green/yellow        | 1003501    | Drum           | 1,000                       | 6430065754039   | 20338369 | 1060729 |
| 10mm <sup>2</sup>  | Black               | 1003501    | Bobbin         | 300                         | 6430065754138   | 20343700 | 1060731 |
| 10mm <sup>2</sup>  | Blue                | 1003501    | Bobbin         | 300                         | 6430065754114   | 20343703 | 1060737 |
| 10mm <sup>2</sup>  | Green/yellow        | 1003501    | Bobbin         | 300                         | 6430065754121   | 20343701 | 1060738 |
| 16mm <sup>2</sup>  | Black               | 1003501    | Bobbin         | 300                         | 6430065754169   | 20343696 | 1060739 |
| 16mm <sup>2</sup>  | Blue                | 1003501    | Bobbin         | 300                         | 6430065754145   | 20343699 | 1060749 |
| 16mm <sup>2</sup>  | Other               | 1003501    | Bobbin         | 300                         | 6430065754152   | 20343697 | 1060750 |
| 16mm <sup>2</sup>  | Green/yellow        | 1003501    | Drum           | 1,000                       | 6430065754046   | 20095559 | 1060748 |
| 25mm <sup>2</sup>  | Green/yellow        | 1003501    | Drum           | 500                         | 6430010755166   | 20095564 | 1060757 |
| 35mm <sup>2</sup>  | Green/yellow        | 1003501    | Drum           | 500                         | 7021521735014   | 20075410 | 1060765 |
| 50mm <sup>2</sup>  | Green/yellow        | 1003501    | Coil           | 50                          | 7021521736820   | 20075797 | 1060771 |
| 50mm <sup>2</sup>  | Green/yellow        | 1003501    | Drum           | 500                         | 6430010755180   | 20095567 | 1060774 |
| 70mm <sup>2</sup>  | Green/yellow        | 1003501    | Drum           | 500                         | 6430010755203   | 20095568 | 1060788 |
| 95mm <sup>2</sup>  | Black               | 1003501    | Drum           | 500                         | 7021521740049   | 20075413 | 1060792 |
| 95mm <sup>2</sup>  | Green/yellow        | 1003501    | Drum           | 500                         | 7021521740100   | 20075799 | 1050466 |
| 120mm <sup>2</sup> | Green/yellow        | 1003501    | Drum           | 300                         | 7021521742500   | 20075800 | 1050476 |

ER = Copper solid round

FR = Copper stranded round

FV = Copper stranded sectorshaped

AFR = Aluminium stranded round

AFV = Aluminium stranded sectorshaped

## DIMENSIONAL DATA

| Item name                   | Packaging type | Standard packaging quantity | Gross weight | DOP number | EL no.  |
|-----------------------------|----------------|-----------------------------|--------------|------------|---------|
| PN 750V 1,5MM2 SORT S150    | Bobbin         | 150                         | 3.2          | 1002608    | 1060700 |
| PN 750V 1,5MM2 LYS GRÅ S150 | Bobbin         | 150                         | 3.2          | 1002608    | 1060701 |
| PN 750V 1,5MM2 BLÅ S150     | Bobbin         | 150                         | 3.2          | 1002608    | 1060702 |
| PN 750V 1,5MM2 G/GR S150    | Bobbin         | 150                         | 3.2          | 1002608    | 1060703 |
| PN 750V 1,5MM2 BRUN S150    | Bobbin         | 150                         | 3.2          | 1002608    | 1060704 |
| PN 750V 2,5MM2 SORT S100    | Bobbin         | 100                         | 3.4          | 1002608    | 1060707 |
| PN 750V 2,5MM2 LYS GRÅ S100 | Bobbin         | 100                         | 3.4          | 1002608    | 1060708 |
| PN 750V 2,5MM2 BLÅ S100     | Bobbin         | 100                         | 3.4          | 1002608    | 1060709 |
| PN 750V 2,5MM2 G/GR S100    | Bobbin         | 100                         | 3.4          | 1002608    | 1060710 |
| PN 750V 2,5MM2 BRUN S100    | Bobbin         | 100                         | 3.4          | 1002608    | 1060711 |
| PN 750V 6MM2 FR BLACK S300  | Bobbin         | 300                         | 20.5         | 1003501    | 1060722 |
| PN 750V 6MM2 FR BLUE S300   | Bobbin         | 300                         | 20.5         | 1003501    | 1060723 |
| PN 750V 6MM2 FR Y/GR S300   | Bobbin         | 300                         | 20.5         | 1003501    | 1060730 |
| PN 750V 6MM2 G/GR K6/1000   | Drum           | 1,000                       | 79           | 1003501    | 1060729 |
| PN 750V 10MM2 FR BLACK S300 | Bobbin         | 300                         | 34.5         | 1003501    | 1060731 |
| PN 750V 10MM2 FR BLUE S300  | Bobbin         | 300                         | 34.5         | 1003501    | 1060737 |
| PN 750V 10MM2 FR Y/GR S300  | Bobbin         | 300                         | 34.5         | 1003501    | 1060738 |
| PN 750V 16MM2 FR BLACK S300 | Bobbin         | 300                         | 52           | 1003501    | 1060739 |
| PN 750V 16MM2 FR BLUE S300  | Bobbin         | 300                         | 52           | 1003501    | 1060749 |
| PN 750V 16MM2 FR Y/GR S300  | Bobbin         | 300                         | 52           | 1003501    | 1060750 |

## DIMENSIONAL DATA

| Item name                  | Packaging type | Standard packaging quantity | Gross weight | DOP number | EL no.  |
|----------------------------|----------------|-----------------------------|--------------|------------|---------|
| PN 750V 16MM2 G/GR K6/1000 | Drum           | 1,000                       | 179          | 1003501    | 1060748 |
| PN 750V 25MM2 G/GR K6/500  | Drum           | 500                         | 148          | 1003501    | 1060757 |
| PN 750V 35MM2 G/GR K6/500  | Drum           | 500                         | 194.5        | 1003501    | 1060765 |
| PN 750V 50MM2 G/GR B50     | Coil           | 50                          | 24.5         | 1003501    | 1060771 |
| PN 750V 50MM2 G/GR K7/500  | Drum           | 500                         | 265          | 1003501    | 1060774 |
| PN 750V 70MM2 G/GR K7/500  | Drum           | 500                         | 359          | 1003501    | 1060788 |
| PN 750V 95MM2 SORT K8/500  | Drum           | 500                         | 488          | 1003501    | 1060792 |
| PN 750V 95MM2 G/GR K8/500  | Drum           | 500                         | 488          | 1003501    | 1050466 |
| PN 750V 120MM2 G/GR K9/300 | Drum           | 300                         | 385          | 1003501    | 1050476 |

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