

## 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 U <sub>0</sub> [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 |

ER = Copper solid round  
FR = Copper stranded round  
FV = Copper stranded sectorshaped  
AFR = Aluminium stranded round  
AFV = Aluminium stranded sectorshaped

© PRYSMIAN 2024, all rights reserved. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian: any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian.