Draka
A Brand of Prysmian Group

# IX PURE 750V

## Safetycable Halogen-free connection wire



## GENERAL INFO

Cable for open or hidden pipe installation and as a connecting cable. Halogen-free wire, which is recommended when it is important to avoid build up of dense smoke and corrosive gases, in case of overheating or fire.
Cenelec: H07Z1-R

## CABLE CONSTRUCTION

| | |
|---|---|
| Conductor material | Copper |
| Core insulation material | Halogenfree polymer |
| Drain wire | No |
| Longitudinal water blocking cable | No |
| Radial water blocking cable | No |
| Twisted cores | No |
| Screen | No |
| Lead sheath | No |
| Material outer sheath | Halogenfree polymer |
| Cable shape | Round |

## MARKING TEXT ON OUTER SHEATH (EXAMPLE)

## STANDARDS APPLIED

## APPLICATION PROPERTIES

| | |
|---|---|
| Nominal voltage U0 [V] | 450 |
| Nominal voltage U [V] | 750 |
| Flame retardant | In accordance with EN/IEC 60332-1-2 |
| Halogen free | acc. IEC/EN 60754-1/2 |
| Halogen free (acc. EN 60754-1/2) | Yes |
| Halogen free (acc. IEC 60754-2) | Yes |
| Low smoke | acc. IEC/EN 61034-2 |
| Low smoke (acc. EN 61034-2) | Yes |
| Low smoke (acc. IEC 61034-2) | Yes |
| Reaction-to-fire class (acc. EN 13501-6) | Dca |
| Smoke development class (acc. EN 13501-6) | s2 |
| Euro class flaming droplets/particles (acc. EN 13501-6) | d2 |
| Euro class acidity (acc. EN 13501-6) | a2 |
| 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. |
|---|---|---|---|---|---|---|---|
| 1.5mm² G/Gr | None | 1002607 | Bobbin | 150 | 6430065751694 | 20218594 | 1024504 |
| 1.5mm² Brun | None | 1002607 | Bobbin | 150 | 6430065751670 | 20218592 | 1024502 |
| 1.5mm² Sort | None | 1002607 | Bobbin | 150 | 6430065751656 | 20218580 | 1024500 |
| 1.5mm² Blå | None | 1002607 | Bobbin | 150 | 6430065751687 | 20218593 | 1024503 |
| 1.5mm² Grå | None | 1002607 | Bobbin | 150 | 6430065751663 | 20218591 | 1024501 |
| 2.5mm² G/Gr | None | 1002607 | Bobbin | 100 | 6430065751748 | 20218599 | 1024509 |
| 2.5mm² Brun | None | 1002607 | Bobbin | 100 | 6430065751724 | 20218597 | 1024507 |
| 2.5mm² Sort | None | 1002607 | Bobbin | 100 | 6430065751700 | 20218595 | 1024505 |
| 2.5mm² Blå | None | 1002607 | Bobbin | 100 | 6430065751731 | 20218598 | 1024508 |
| 2.5mm² Grå | None | 1002607 | Bobbin | 100 | 6430065751717 | 20218596 | 1024506 |
| 4mm² G/Gr | None | 1002607 | Bobbin | 100 | 6430065751793 | 20218603 | 1024514 |
| 4mm² Brun | None | 1002607 | Bobbin | 100 | 6430065751779 | 20218601 | 1024512 |
| 6mm² Brun | None | 1002607 | Bobbin | 100 | 6410004062098 | 20215733 | 1024517 |
| 6mm² Sort | None | 1002607 | Bobbin | 100 | 6410004033982 | 20215738 | 1024515 |
| 6mm² Blå | None | 1002607 | Bobbin | 100 | 6410004062081 | 20215737 | 1024518 |
| 6mm² G/Gr | None | 1002607 | Bobbin | 100 | 6410004033968 | 20215739 | 1024519 |
| 6mm² Grå | None | 1002607 | Bobbin | 100 | 6430065751250 | 20215740 | 1024516 |
| 10mm² Grå | None | 1002607 | Bobbin | 100 | 6430065751274 | 20215756 | 1024521 |
| 10mm² Brun | None | 1002607 | Bobbin | 100 | 6430065751267 | 20215755 | 1024522 |
| 10mm² Blå | None | 1002607 | Bobbin | 100 | 6410004062159 | 20215754 | 1024523 |
| 10mm² Sort | None | 1002607 | Bobbin | 100 | 6410004062135 | 20215753 | 1024520 |
| 10mm² G/Gr | None | 1002607 | Bobbin | 100 | 6430065754077 | 20215751 | 1024524 |
| 16mm² Grå | None | 1002607 | Bobbin | 100 | 6430065751281 | 20215789 | 1024526 |
| 16mm² Brun | None | 1002607 | Bobbin | 100 | 6430065751298 | 20215790 | 1024527 |
| 16mm² G/Gr | None | 1002607 | Bobbin | 100 | 6410004062173 | 20215796 | 1024529 |
| 16mm² Blå | None | 1002607 | Bobbin | 100 | 6410004062265 | 20215793 | 1024528 |
| 16mm² Sort | None | 1002607 | Bobbin | 100 | 6410004062197 | 20215795 | 1024525 |
| 25mm² Grå | None | 1002607 | Drum | 500 | 6430065751304 | 20215791 | 1024531 |
| 25mm² G/Gr | None | 1002607 | Drum | 500 | 6410004062272 | 20215785 | 1024532 |
| 25mm² Sort | None | 1002607 | Drum | 500 | 6410004062296 | 20215786 | 1024530 |
| 35mm² Sort | None | 1002607 | Drum | 500 | 6410004062388 | 20215818 | 1024533 |
| 35mm² Grå | None | 1002607 | Drum | 500 | 6430065751311 | 20215811 | 1024534 |

## PRODUCT RANGE / ORDER DATA

| Basic construction | Colour outer sheath | DOP number | Packaging type | Standard packaging quantity | EAN-code (GTIN) | SAP | EL no. |
|---|---|---|---|---|---|---|---|
| 35mm² G/Gr | None | 1002607 | Drum | 500 | 6410004062371 | 20215817 | 1024535 |
| 50mm² Sort | None | 1002607 | Drum | 500 | 6410004062418 | 20215820 | 1024536 |
| 50mm² G/Gr | None | 1002607 | Drum | 500 | 6410004062401 | 20215819 | 1024538 |
| 50mm² Grå | None | 1002607 | Drum | 500 | 6430065751328 | 20215812 | 1024537 |
| 70mm² Grå | None | 1002607 | Drum | 500 | 6430065751335 | 20215813 | 1024540 |
| 70mm² G/Gr | None | 1002607 | Drum | 500 | 6410004062456 | 20215823 | 1024541 |
| 70mm² Sort | None | 1002607 | Drum | 500 | 6410004062463 | 20215821 | 1024539 |
| 95mm² Sort | None | 1002607 | Drum | 500 | 6410004062487 | 20215828 | 1024542 |
| 95mm² G/Gr | None | 1002607 | Drum | 500 | 6410004062470 | 20215824 | 1024544 |
| 95mm² Grå | None | 1002607 | Drum | 500 | 6430065751342 | 20215814 | 1024543 |
| 120mm² G/Gr | None | 1002607 | Drum | 500 | 6410004062494 | 20215822 | 1024547 |
| 120mm² Sort | None | 1002607 | Drum | 500 | 6410004062500 | 20215829 | 1024545 |
| 120mm² Grå | None | 1002607 | Drum | 500 | 6430065751359 | 20215815 | 1024546 |
| 150mm² Sort | None | 1002607 | Drum | 500 | 6410004062524 | 20215830 | 1024548 |
| 150mm² G/Gr | None | 1002607 | Drum | 500 | 6410004062517 | 20215825 | 1024550 |
| 150mm² Grå | None | 1002607 | Drum | 500 | 6430065751366 | 20215816 | 1024549 |

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

## DIMENSIONAL DATA

| Basic construction | Conductor category | Nominal outer diameter [mm] | Cable weight [kg/km] | Fire load [MJ/km] |
|---|---|---|---|---|
| 1.5mm² G/Gr | Class 2 = stranded | 3 | 21 | |
| 1.5mm² Brun | Class 2 = stranded | 3 | 21 | |
| 1.5mm² Sort | Class 2 = stranded | 3 | 21 | |
| 1.5mm² Blå | Class 2 = stranded | 3 | 21 | |
| 1.5mm² Grå | Class 2 = stranded | 3 | 21 | |
| 2.5mm² G/Gr | Class 2 = stranded | 3.7 | 33 | |
| 2.5mm² Brun | Class 2 = stranded | 3.7 | 33 | |
| 2.5mm² Sort | Class 2 = stranded | 3.7 | 33 | |
| 2.5mm² Blå | Class 2 = stranded | 3.7 | 33 | |
| 2.5mm² Grå | Class 2 = stranded | 3.7 | 33 | |
| 4mm² G/Gr | Class 2 = stranded | 4.5 | 48 | |
| 4mm² Brun | Class 2 = stranded | 4.5 | 48 | |
| 6mm² Brun | Class 2 = stranded | 5 | 64 | |
| 6mm² Sort | Class 2 = stranded | 5 | 64 | |
| 6mm² Blå | Class 2 = stranded | 5 | 64 | |
| 6mm² G/Gr | Class 2 = stranded | 5 | 64 | |
| 6mm² Grå | Class 2 = stranded | 5 | 64 | |
| 10mm² Grå | Class 2 = stranded | 6.5 | 112 | |
| 10mm² Brun | Class 2 = stranded | 6.5 | 112 | |
| 10mm² Blå | Class 2 = stranded | 6.5 | 112 | |

## DIMENSIONAL DATA

| Basic construction | Conductor category | Nominal outer diameter [mm] | Cable weight [kg/km] | Fire load [MJ/km] |
|---|---|---|---|---|
| 10mm² Sort | Class 2 = stranded | 6.5 | 112 | |
| 10mm² G/Gr | Class 2 = stranded | 6.5 | 112 | |
| 16mm² Grå | Class 2 = stranded | 7 | 170 | |
| 16mm² Brun | Class 2 = stranded | 7 | 170 | |
| 16mm² G/Gr | Class 2 = stranded | 7 | 170 | |
| 16mm² Blå | Class 2 = stranded | 7 | 170 | |
| 16mm² Sort | Class 2 = stranded | 7 | 170 | |
| 25mm² Grå | Class 2 = stranded | 9 | 267 | |
| 25mm² G/Gr | Class 2 = stranded | 9 | 267 | |
| 25mm² Sort | Class 2 = stranded | 9 | 267 | |
| 35mm² Sort | Class 2 = stranded | 10 | 357 | |
| 35mm² Grå | Class 2 = stranded | 10 | 357 | |
| 35mm² G/Gr | Class 2 = stranded | 10 | 357 | |
| 50mm² Sort | Class 2 = stranded | 11.6 | 493 | |
| 50mm² G/Gr | Class 2 = stranded | 11.6 | 493 | |
| 50mm² Grå | Class 2 = stranded | 11.6 | 493 | |
| 70mm² Grå | Class 2 = stranded | 13 | 681 | |
| 70mm² G/Gr | Class 2 = stranded | 13 | 681 | |
| 70mm² Sort | Class 2 = stranded | 13 | 681 | |
| 95mm² Sort | Class 2 = stranded | 15.3 | 932 | |

## DIMENSIONAL DATA

| Basic construction | Conductor category | Nominal outer diameter [mm] | Cable weight [kg/km] | Fire load [MJ/km] |
|---|---|---|---|---|
| 95mm² G/Gr | Class 2 = stranded | 15.3 | 932 | |
| 95mm² Grå | Class 2 = stranded | 15.3 | 932 | |
| 120mm² G/Gr | Class 2 = stranded | 17.3 | 1,185 | |
| 120mm² Sort | Class 2 = stranded | 17.3 | 1,185 | |
| 120mm² Grå | Class 2 = stranded | 17.3 | 1,185 | |
| 150mm² Sort | Class 2 = stranded | 19.2 | 1,460 | |
| 150mm² G/Gr | Class 2 = stranded | 19.2 | 1,460 | |
| 150mm² Grå | Class 2 = stranded | 19.2 | 1,460 | |

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