

## DESCRIPTION

Electric charging cable, compliance to EN standard, application to most of the regions  
 High mechanical performance  
 Excellent weather ability  
 Good resistance against chemicals  
 Oil resistance against IRM902

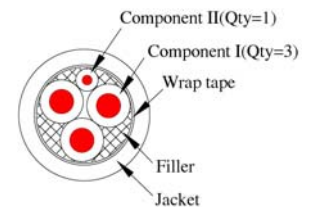
3x2.5mm<sup>2</sup> + 1x0.5mm<sup>2</sup> Bare Copper EN 450V/750V

## STANDARDS

EN 50395, EN 50396, EN 50525, EN 50620, EN 60332-1-2, EN 60811  
 ROHS 2011/65/EU

## CABLE CONSTRUCTION

|  |                                     |
|--|-------------------------------------|
| Conductors (3*2.5mm <sup>2</sup> +1*0.5mm <sup>2</sup> ) | Stranded Bare Copper                |
| Component I (Power cores)                                | 2.5mm <sup>2</sup>                  |
| Stranding  | 189/0.127mm                         |
| Nom. Dia.  | 2.3mm                               |
| Component II (Control pilot)                             | 0.5mm <sup>2</sup>                  |
| Stranding  | 19/0.18mm                           |
| Nom. Dia.  | 0.9mm                               |
| Insulation for component I                               | XL Polyolefin                       |
| Min. Avg. Thickness                                      | 0.7mm                               |
| Color  | White, Black, Green/yellow          |
| Nom. OD.   | 3.83mm                              |
| Insulation for component II                              | XL Polyolefin                       |
| Min. Avg. Thickness                                      | 0.6mm                               |
| Color  | Orange                              |
| Nom. OD.   | 2.2mm                               |
| Final Assembly   | 3*Component I+1*Component II+filler |
| Wrap type  | 25% Overlap                         |
| Jacket   | XL Polyolefin                       |
| Min. Avg. Thickness                                      | 1.0mm                               |
| Color  | Black                               |
| Nom. O.D.  | 11.3mm                              |



## PRINT LEGEND

BYSON ELECTRONICS EVCZ6 3X2.5mm<sup>2</sup> + CP (CC) 1X0.5mm<sup>2</sup> 450/750V 90°C

## ELECTRICAL CHARACTERISTICS (at +20°C)

|                              |  |
|------------------------------|--|
| Min. Insulation Resistance   | 2.5mm <sup>2</sup> : 691MΩ.km<br>0.5mm <sup>2</sup> : 859MΩ.km |
| Voltage Withstand            | 3500 VAC/5min  |
| Max. Conductor DC Resistance | 2.5mm <sup>2</sup> : 7.98Ω/km<br>0.5mm <sup>2</sup> : 39Ω/km   |

## OTHER CHARACTERISTICS

|   |                  |
|---|------------------|
| Voltage Rating                                  | 450/750V         |
| Working Temperature                             | -40°C ~90°C      |
| Min. installation and handing                   | -25°C            |
| Current carrying capacity (2.5mm <sup>2</sup> ) | 20A@30°C Ambient |

## HISTORY

May 26, 2016 First Issue

Draft