

## DESCRIPTION

Electric charging cable, compliance to EN and UL standards; application to most of the regions  
 Excellent weather ability; working temperature -50°C ~105°C  
 10 years life cycle; high insulation resistance under the damp condition  
 High mechanical performance; excellent resilience  
 Oil resistance against diesel and IRM902  
 Flame retardant

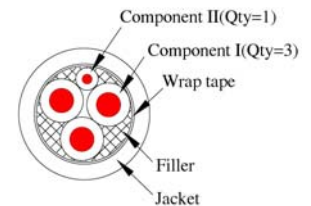
3x10 AWG +1x20AWG Bare Copper UL 600V  
 3x6mm<sup>2</sup> +1x0.5mm<sup>2</sup> Bare Copper EN 450V/750V

## STANDARDS

EN 50620  
 UL 62, UL 2556  
 ROHS 2011/65/EU

## CABLE CONSTRUCTION

Conductors (3*10AWG/6mm <sup>2</sup> +1*20AWG/0.5mm <sup>2</sup> )	Stranded Bare Copper
Component I (Power cores)	10AWG/6mm <sup>2</sup>
Stranding	7*62/0.127mm (7*62/0.005inch)
Nom. Dia.	3.45mm (0.136inch)
Component II (Control pilot)	20AWG/0.5mm <sup>2</sup>
Stranding	19/0.20mm (19/0.008inch)
Nom. Dia.	0.96mm (0.038inch)
Insulation for component I	XL Polyolefin
Min. Avg. Thickness	1.14mm (0.045inch)
Min. Thickness	1.03mm (0.041inch)
Color	White, Black, Green/yellow
Nom. OD.	5.82mm (0.229inch)
Insulation for component II	XL Polyolefin
Min. Avg. Thickness	0.76mm (0.030inch)
Min. Thickness	0.69mm (0.027inch)
Color	Orange
Nom. OD.	2.54mm (0.100inch)
Final Assembly	3*Component I+1*Component II+filler
Wrap type	25% Overlap
Jacket	XL Polyolefin
Min. Avg. Thickness	2.03mm (0.080inch)
Min. Thickness	1.62mm (0.064inch)
Color	Black
Nom. O.D.	16.85mm (0.664inch)



## PRINT LEGEND

BYSON ELECTRONICS EVCZ6 3X6mm<sup>2</sup> + CP 1X0.5mm<sup>2</sup> 450/750V 90°C EXXXXX (UL) EVE 3X10AWG + 1X20AWG  
 105°C 600V VW-1 OIL RES ROHS

## ELECTRICAL CHARACTERISTICS (at +20°C)

Min. Insulation Resistance	10AWG/6mm <sup>2</sup> : 499MΩ.km (1637 MΩ.kft) 20AWG/0.5mm <sup>2</sup> : 859MΩ.km (2818 MΩ.kft)
Voltage Withstand	3500 VAC/5min
Max. Conductor DC Resistance	10AWG/6mm <sup>2</sup> : 3.3Ω/km (1.0Ω/kft) 20AWG/0.5mm <sup>2</sup> : 33Ω/km (10Ω/kft)

## OTHER CHARACTERISTICS

Voltage Rating	
UL 62	600V
EN 50620	450/750V
Working Temperature	-50°C ~105°C
Min. installation and handing	-25°C
Flammability	VW-1
Current carrying capacity (10AWG/6mm <sup>2</sup> )	38A@30°C Ambient

## HISTORY

May 18, 2016 First Issue

Draft