

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

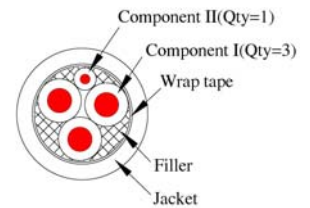
3x14AWG +1x20AWG Bare Copper UL 600V
 3x2.5mm² +1x0.5mm² Bare Copper EN 450V/750V

STANDARDS

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

CABLE CONSTRUCTION

Conductors (3*14AWG/2.5mm ² +1*20AWG/0.5mm ²)	Stranded Bare Copper
Component I (Power cores)	14AWG/2.5mm ²
Stranding	189/0.127mm (189/0.005inch)
Nom. Dia.	2.3mm (0.091inch)
Component II (Control pilot)	20AWG/0.5mm ²
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)
Color	White, Black, Green/yellow
Nom. OD.	4.68mm (0.184inch)
Insulation for component II	XL Polyolefin
Min. Avg. Thickness	0.76mm (0.030inch)
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)
Color	Black
Nom. O.D.	14.6mm (0.575inch)



PRINT LEGEND

BYSON ELECTRONICS EVCZ6 3X2.5mm² + CP 1X0.5mm² 450/750V 90°C EXXXXX (UL) EVE 3X14AWG + 1X20AWG
 105°C 600V VW-1 OIL RES ROHS

ELECTRICAL CHARACTERISTICS (at +20°C)

Min. Insulation Resistance	14AWG/2.5mm ² : 691MΩ.km (2267 MΩ.kft)
	20AWG/0.5mm ² : 859MΩ.km (2818 MΩ.kft)
Voltage Withstand	3500 VAC/5min
Max. Conductor DC Resistance	14AWG/2.5mm ² : 7.98Ω/km (2.43Ω/kft)
	20AWG/0.5mm ² : 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 (14AWG/2.5mm ²)	20A@30°C Ambient

HISTORY

May 25, 2016 First Issue

Draft