



# HUAYU CABLE

*-Your One Stop Professional Cables & Wires Manufacturer & Supplier*

## CAN-BUS CABLE



### Application:

CAN-BUS according to ISO 11898. The CAN-Bus cable is applied for the exchange of digital information; control apparatus net (CAN) for faster data transmission/exchange. Application in power supply cable tracks, highly flexible data cables.

### General Construction:

Color code:	According to DIN VDE 47100
Screen:	Tinned Copper Braid or Stainless steel wire Braid

### Technical Data:

Peak operating voltage:	Max. 350V
Testing voltage:	1500V
Min bending radius:	7.5 x O.D.
Characteristic impedance at 1 MHz:	120 OHM (90-140 OHM)

### Dimensions:

Model	Conductors	AWG	Nominal outer	
			inch	mm
HYCANBUS0901	2	24(34/38)	0.248	6.3
HYCANBUS0902	2	24(34/38)	0.319	8.1
HYCANBUS0903	3	24(34/38)	0.319	8.1

### Electrical Data:

Model	HYCANBUS0901	HYCANBUS0902	HYCANBUS0903
Conductor	Bare Copper strands fine wires	Bare Copper strands fine wires	Silver plated Copper
Custom Conductors	Tinned Copper & Silver plated Copper & Clad steel	Tinned Copper & Silver plated Copper & Clad steel	Tinned Copper & Silver plated Copper & Clad steel
Core Insulation	FEP	TPE-E	FEP
Custom Insulation	LSZH / PTFE / PP / PE / FEP	LSZH / PTFE / PP / PE / FEP	LSZH / PTFE / PP / PE / FEP
Wrapping:	Non-woven Tape or FEP Foil	Non-woven Tape or FEP Foil	Non-woven Tape or FEP Foil
Custom Electronic protection:	One or two braids (Tinned or Silver plated Copper) with or without (Aluminum / Polyester foil)	One or two braids (Tinned or Silver plated Copper) with or without (Aluminum / Polyester foil)	One or two braids (Tinned or Silver plated Copper) with or without (Aluminum / Polyester foil)
Outer Sheath Shield: (One or two jackets with 1 or 2 layer)	PUR,TMPU,FEP,PUR+FEP,Polyimid e + PTFE, Halogen-free TPE, TPE, PVC	PUR,TMPU,FEP,PUR+FEP,Polyimid e + PTFE, Halogen-free TPE, TPE, PVC	PUR,TMPU,FEP,PUR+FEP,Polyimide + PTFE, Halogen-free TPE, TPE, PVC
Radiation Resistance	5 x 107cJ/kg	5 x 107cJ/kg	5 x 107cJ/kg
Temperature Range:	-50 / +90oC	-50 / +90oC	-75 oC / +200oC
Static Flexing	-40 / +90oC	-40 / +90oC	-65oC / +200oC
Zero halogen	-	According to DIN VDE 0472 part 815 + IEC60754-1	-
Burning Characteristics: -Flame retardant and	-	-	-



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self-extinguishing According to IEC 60332-1-2 and EN 60332-1-2			
Corrosivity: -In compliance with IEC 60754-2 & EN 50267-2-2+VDE 0482 Part 267-2-2 -No development of Corrosive conflagration gases	-	X	X
Capacitance Test (pF/m)	<= 58	<= 58	<= 58
Capacitance of Non-Balance (pF/m)	<=1	<=1	<=1
Inductance of Distributing (uH/m)	<=0.6	<=0.6	<=0.6
Electrostatic Induction voltage -(Electrostatic voltage 20V) (V)	<=1	<=1	<=1
EMI voltage -(magnetic interference 400A/ m) (uV)	<=5	<=5	<=5
Oil Resistance:	Very Good - TMPU According to DIN VDE 0282 part 10	Very Good - TMPU According to DIN VDE 0282 part 10	Very Good - TMPU According to DIN VDE 0282 part 10
Flexibility:	Very Good	Very Good	Very Good
Application in cable tracks:	Recommended	Recommended	Recommended
Chemical resistance: Good against acids, alkaline solvents, hydraulic liquids etc	X	X	X
Weather resistance:	Very Good	Very Good	Very Good
Operating characteristics:	Rated Voltage: 1000 V Current Capacity: 10 A Twist pitch : 20 times / Meter	Rated Voltage: 1000 V Current Capacity: 10 A Twist pitch : 20 times / Meter	Rated Voltage: 1000 V Current Capacity: 10 A Twist pitch : 20 times / Meter

**Additional Notes:**

- I All types Cable Drain Wire / Screen or Shield / Steel stainless braid are Available but need indicate it
- I All types cable Conductors & Insulation & outer sheath or Jacket: Color / Conductor Cores Number& diameter & material Custom is acceptable
- I Mechanical support(s):1, 2 or 4 aramid or steel strength members, aramid braid is available but need indicate it. Vent tube (s):1 (or 2) vent tube in polyamide or PE is available but need indicate it

**Typical Section of Structural**

