

CANBUS Compatible Data Cable

RS-485 (2x22/19 + 22/19 AWG TC FEP) SF/UTP FEP

Application

Field bus on the process level, Industrial communication, CAN Bus communication, RS-485, Indoor & Outdoor Use, Fixed or Portable Installation, Airborne solutions, Aerospace industry, Avionics communication, Flight & Cabin control / systems.

Cable Design

Conductor:	Stranded annealed tinned copper wire, 22awg [19/0,16mm]
Insulation:	FEP
Insulation Diameter:	Data: 2.1, Ground: 1.15 mm nom.
Core identification:	Data: Blue + White, Ground: Black
Drain Wire:	Stranded annealed tinned copper wire, 22awg
Foil Shield:	Overall Aluminum/Polyester Foil
Braid Shield:	Annealed Tinned Copper Wire Braid [65% coverage]
Outer Jacket:	FEP (TEFLON) Black Ø 5,20 mm nom.
Weight:	50 kg/km

Standards

Flammability Rating

IEC 60332-1
 IEC 60332-3
 UL 1581 VW-1
 UL CMP
 14 CFR 25.869 (a)(4) Amdt 25-113
 Appendix F Part I (a)(3)

Applicable Standards

RoHS 3 2015/863/EU



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Electrical Properties

Attenuation @ 100 KHz max	0.57 dB/100m
Attenuation @ 200 KHz max	0.83 dB/100m
Attenuation @ 500 KHz max	1.30 dB/100m
Attenuation @ 1 MHz max	1.83 dB/100m
Capacitance	34 pF/m
Dielectric Strength	1000 V/minute
Impedance @ 1 MHz	120 Ω
Max. DC Resistance	58 Ω/km @ 20 °C
Max. Operating Temperature	+150 °C
Min. Bend Radius	6 x Ø
Velocity of Propagation	72 % nom.
Voltage Rating	300 V
Min. Operating Temperature	-50 °C

The transmission properties comply to CAN and RS-485 cables requirements.

Max. Recommended Current (per conductor): 3 Amp @ 20 °C

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