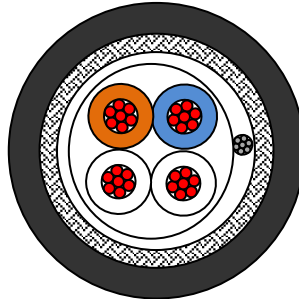


RS 485 AWG22/7 TC MUD

Bus-Cable



Principle drawing i.e. 2p design.

Application

Multi conductor cable for RS 485 and MODBUS applications. Its MUD resistant sheath is proper for oil and chemical aggressive environment, including outdoor applications.

Flame resistance

LSHF: IEC 60332-1, IEC 61034-2, IEC 60754-1/2

Chemical Resistance: mineral oil IRM 902 and Diesel (IRM903), 7 days @ 100°C, acc. to IEC 60811-404

UV resistance: ISO 4892-2 UV-A 1000h @ 340nm (daylight), ISO 4892-2 UV-B 400h @ 340nm (daylight)

Construction: 1 pair

Conductor	stranded tinned copper wire, AWG22/7, diameter 7 x 0.26 mm (cross section 0.35 mm ²)	∅ 0.78 mm
Insulation	PE	∅ 2.00 ± 0.05 mm
Stranding	2 cores to the pair	
Colour code	Pair 1: 1 x white, 1 x blue	
Screen	1 x AL-PET-foil, overlapping + tinned copper drain wire (AWG22/7, ∅ 0.78 mm)	
Braid	tinned copper braid optical coverage ≥ 85%	
Sheath	MUD protection, LSHF, dark grey(RAL7024)	∅ 6.7 mm
Marking	DRAKA RS485 1 x 2 x AWG22/7 MUD + batch number + meter marking	

Construction: 2 pairs

Conductor	stranded tinned copper wire, AWG22/7, diameter 7 x 0.26 mm (cross section >0.34 mm ²)	∅ 0.78 mm
Insulation	PE	∅ 2.00 ± 0.05 mm
Stranding	4 cores to the quad	
Colour code	Pair 1: 1 x white, 1 x blue Pair 2: 1 x white, 1 x orange	
Screen	1 x AL-PET-foil, overlapping + tinned copper drain wire (AWG22/7, ∅ 0.78 mm)	
Braid	tinned copper braid optical coverage ≥ 85%	
Sheath(outer)	MUD protection, LSHF, dark grey(RAL7024)	∅ 7.5mm
Marking	DRAKA RS485 2 x 2 x AWG22/7 MUD + batch number + meter marking	

RS 485 AWG22/7 TC MUD

Mechanical properties

Bending radius - moving application -fixed application	≥ 10 x outer diameter of cable ≥ 5 x outer diameter of cable
Installation temperature	- 10°C up to + 70°C
Operating temperature	- 40°C up to + 80°C

Electrical properties

at 20°C

Conductor resistance (at 20 ± 5 °C)	≤ 52 Ω/km
Characteristic impedance (0.1-1MHz)	120 Ω ± 20
Capacitance at 800 Hz (nominal)	< 60 nF/km
Insulation resistance (at 20 ± 5 °C and 500 V)	≥ 10 GΩxkm
Test voltage (AC, 1 min) Core/core and core/screen	1.2 kV

Technical data

Product code	Designation	Cable diameter mm	Weight approx kg/km	Copper content (kg/km)	Standard delivery length m	Drum size *PWD (mm)	Tensile force N	Gross weight kg
60088542	Li-2Y(ST)CH 1 x 2 x AWG22/7	6.7	47	23.7	1000	400x465	110	49
90150677.06	Li-2Y(ST)CH 2 x 2 x AWG22/7	7.5	75	42.9	1000	600x330	175	80

*PWD (plywood drum)