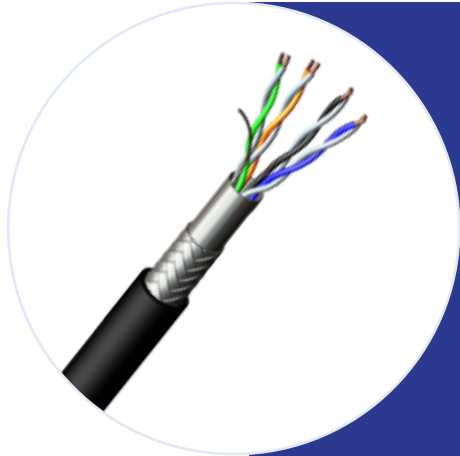


ChimeraX™ Data Control Cable

RS485 Overall Screen Control Cable 16~24AWG



ChimeraX™ shielded data cable for computer/data communications. Supports RS485 and RS232 protocols.

RS-485, also known as TIA-485, EIA-485, is a standard defining the electrical characteristics of drivers and receivers for use in serial communications systems. Electrical signalling is balanced, and multipoint systems are supported

SPECIFICATION

Conductor Material	Annealed stranded tinned copper
Insulation Material	Foam PE
Pair Colour Coding	1 Pair White/Orange
Pair Colour Coding	2 Pairs White/Orange, White/Blue
Pair Colour Coding	4 Pairs White/Orange, White/Blue, White/Black, White/Green
Drain Wire	7*0.254mm Stranded tinned copper
Overall Shielding-1	Al-Mylar Wrap, overapping ≥ 25%
Overall Shielding-2	Tinned Copper ≥ 85%
Jacket Type	PVC or LSOH

Conductor Size Number of Pair	16 AWG			18 AWG			20 AWG			22 AWG			24 AWG		
	1	2	4	1	2	4	1	2	4	1	2	4	1	2	4
Conductor Ø mm	26 * 0.254			16 * 0.254			26 * 0.16			7 * 0.254			7 * 0.20		
Insulation Ø mm	3.6 ± 0.2			2.7 ± 0.2			2.5 ± 0.2			2.0 ± 0.2			1.8 ± 0.2		
Drain Wire Ø mm	7 * 0.254														
Cable Overall Diameter Ø mm	8.8 ±	12.8 ±	17.0 ±	7.8 ±	10.5 ±	15.5 ±	7.5 ±	10.0 ±	15.0 ±	6.5 ±	8.0 ±	10.0 ±	6.0 ±	7.6 ±	9.5 ±
	5%	10%	10%	5%	10%	10%	5%	10%	10%	5%	5%	10%	5%	5%	5%

FIRE RATING

PVC Jacket	IEC 60332-1-1/2
LSOH Jacket	IEC 60332-1
	IEC 60754-1 & 2
	IEC 61034-2

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MECHANICAL & ELECTRICAL PROPERTIES

Conductor Size	16 AWG			18 AWG			20 AWG			22 AWG			24 AWG		
	Number of Pair	1	2	4	1	2	4	1	2	4	1	2	4	1	2
Rated Temperature	80°														
Bend Radius	10 * D														
Operating Temperature Range	-20°C ~ 70°C														
Max. Conductor DC Resistance (@ 20 ± 5°)	14.6 ohms/km			23.2 ohms/km			36.7 ohms/km			59.4 ohms/km			89.0 ohms/km		
Impedance at 200 mhz	120 Ω ± 15%														
Capacitance conductor to conductor	42.0 Pf/m ± 15 Pf/m						41.0 Pf/m ± 20%								
Nom. Capacitance Cond to other conductor & shielded	75.5 Pf/m ± 30 Pf/m						75.4 Pf/m ± 20%								
Max. Operating Voltage	300V														

ORDERING INFORMATION

** CC-2XXYYZ

- 1) XX = Conductor Size (16/16AWG, 18/18AWG...)
- 2) YY = No. of Pair (02/2 pairs, 04/4 pairs)
- 3) Z = Jacket Material (1/PVC, 2/LSOH)

Remark: Hermesys ChimeraX sytle SR485 <XX>AWG <X>Pairs Type Jacket MMYX XXXXm