

LOW CAPACITANCE CABLES FOR RS 485 APPLICATION

Application	External Inter-connection of computer and electronic equipment where high levels of noise interference is anticipated. Also used for precision audio, pulse or R.F. signal transmission where low distortion and high speed data rates are required.
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CONSTRUCTION:

Conductor	Stranded tinned copper (7X0.2mm) 24AWG/0.25mm ²
Insulation	XLPE rated 90 C.
Pair colour code	Black & White cores with pair number printed on each core for multi-pair identification
Pairing assembly	Pairs twisted with suitable lay are cabled and covered with a non-hygroscopic tape
Shielding	Aluminium Mylar tape with a tinned copper drain wire size (7X0.2mm) 24AWG / (0.25mm ²). A tinned copper braid is applied over aluminium polyester tape.
Outer Jacket	Extruded Grey colour Low smoke zero halogen compound.
Printing Legend	TYPE CM RS485 2PR 24AWG SHEILDED MESC YEAR METER MARKING

TECHNICAL DATA:

Flame retardant	UL 1685 Vertical tray or IEC 60332-3 Cat C
Operating Temperature	- 20°C to 90°C
Operating Voltage	300 V
Max. Cond. Resistance at 20°C (Ω/km)	94.5 Ω/Km
Mutual Capacitance (at 1KHz)	Nominal 42 pF/m
Capacitance cod./shield	Nominal 75.6 pF/m
Impedance (Ω)	120 Ω+/-20
Nom. Velocity of propagation (%)	66
Halogen acid gas (outer sheath)	≤ 0.5% (IEC 60754-1)
Limiting Oxygen index (outer sheath)	≥ 30 (ASTM D2863).

MESC Code	Pairs	Number of strands	Outer Jacket Thickness (Min)	Approx. Overall Diameter	Approx. Weight
	Nos.	N	mm	mm	kg/Km
1524-01P24AWG-U2GY8-4H	1	7	0.89	8.2	96
1524-02P24AWG-U2GY8-4H	2	7	0.89	12.4	161