MASER COMMUNICATIONS

Duct Grade

Overall Foil & Braid Shielded Multi-Pair 24awg

RS485 Low Capacitance 150 V



Application

A range of 24awg low capacitance cables with a high level of screening. Provides interference free, high speed data transmission suitable for RS485 applications. These cables use outer jacket materials suitable for external and duct grade installations. Not suitable for direct burial.



Cable Design

Conductor	Stranded tinned copper wire (24awg)
Insulation	Foam Polyolefin
No. of Pairs	1 or 2
Overall Shield	Overall Aluminium/polyester tape
Drain Wire	Stranded tinned copper wire
Overall Braid Shield	Tinned copper wire braid, 90% coverage
Outer Jacket	High Density Polyethylene (HDPE)

Specification

Part Number	Formation No. of Pairs	Nom. Ø mm	Weight kg/km
5502451THD	1 x 2 x 24 awg	7,40	54
5502452THD	2 x 2 x 24 awg	8,50	79

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Electrical Characteristics

Capacitance (core/core)	42	pF/m
Capacitance (core/core/screen)	75,5	pF/m
Electrical Resistance (nom.)	82	Ohm/km
Impedance (nom.)	120	Ohm
Velocity of Propagation (nom.)	66	%

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