
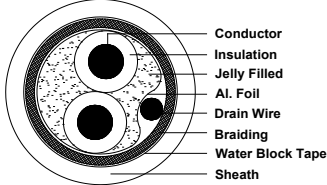




Data & Control Cable

pro series

Part No: MJ3000JF

Description	RS-485 : 22AWG Stranded TACW, Twisted Pairs, Foam PE Insulation, Jelly Filled, Al. Foil Overall Screen, 22AWG TACW Drain Wire, 85% TACW Braiding, Water Block Tape, CPE Sheath.
Applicable Standards	Reference to Belden 3105DB, AS/CA S008, IEC 60794-1-2-F5B, AS1660.5.6, IEC 60332-1-2
Suitable Applications	<p>Data transmission, Fixed or portable installations EIA RS-485.</p> <p>Not suitable for mains connection.</p> <p>Suitable for direct burial.</p> <p>Designed for outdoor use.</p>

Images		
	See packing table for full details of jacket colour options. Image for illustration purposes only.	 

Construction	Conductor	Material	Tinned Annealed Copper Wire
		Size	22AWG
		Stranding	7/0.25mm ¹
	Insulation	Pairs	1
		Material	Foam PE
		Colour	White/Blue
		Nominal Thickness (mm)	0.7
		Nominal OD (mm)	2.2
	Filler	Material	Water resistant flooding compound
	Screen	Material	Al. Foil, 100% Coverage
	Drain Wire	Material	Tinned Annealed Copper Wire
		Size	22AWG
		Stranding	7/0.25mm
	Braiding	Material	Tinned Annealed Copper Wire
		Coverage	85%
	Filler	Material	Water Block Tape

¹ Actual strand size may vary from the nominal value in order to meet the DCR requirements of AS/CA S008

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Construction	Sheath	Material	CPE(UV Stabilized)
		Colour	Black
		Nominal Thickness (mm)	1.2
		Nominal OD (mm)	8.6

Electrical Properties	Voltage Rating	300V RMS
	Max. Conductor DC Resistance @ 20°C	64 Ω /km
	Min. Insulation Resistance @ 20°C	10000M Ω .km
	Characteristic Impedance	120 \pm 15 Ω
	Nom. Capacitance Cond. to Cond.	50pF/m
	Voltage Test: core to core	2.0kV ac/1min
	Voltage Test: core to sheath	4.5kV ac/1min
	Voltage Test: shield to sheath	4.5kV ac/1min

Mechanical Properties	Operating Temperature Range	-30 to 90°C
	Max. Recommended Pulling Tension	186N
	Min. Bend Radius (install)	86mm
	Approximate Mass	8.9kg/100m

Supply Details	Part Number	Pack Size	Jacket Colour	Qty Per Carton	Packs Per Pallet
	MJ3000JF305	305m	Black	N/A	TBA

Change Record	Issue	Data	Prepared By	Approved By
	01	10-10-2020	YDM	LQM
	02	13-01-2021	YDM	LQM
	03	14-06-2023	YDM	LQM

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- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values subject to factory tolerances