

# Data & Control Cable

**Part No:** **GCC2211-0384**

<b>Description</b>	RS485 : 24AWG Stranded TACW, 2 Pairs, Foam PE Insulation, PP Net, Al. Foil overall Screen, 24AWG TACW Drain Wire, 90% TACW Braiding, LSHF Sheath.
<b>Applicable Standards</b>	Reference to Belden 9842NH, AS/NZS 1125, AS 1049, IEC 60332-1-2, IEC 60332-1-3, IEC 60754-2, IEC 61034-2, IEC 60332-3-22(Class A)
<b>Suitable Applications</b>	Data transmission, Fixed or portable installations EIA RS-485. Not suitable for mains connection.

## Images

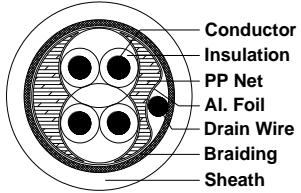


Image for illustration purposes only



## Construction

<b>Conductor</b>	Material	TACW
	Size	24 AWG
	Stranding	7/0.203
	Area	0.22 mm <sup>2</sup>
	Diameter	0.61 mm
<b>Insulation</b>	Pairs	2
	Material	Foam PE
	Colour	White/Blue, White/Orange
	Nominal Thickness (mm)	0.58
	Nominal OD (mm)	1.77
Filler	Material	PP Net
Overall Screen	Material	Al. Foil, 100% Coverage



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Drain Wire	Material	TACW
	Size	24AWG
	Stranding	7/0.203mm
Braiding	Material :	TACW, 90% Coverage
Sheath	Material	LSHF
	Colour	Refer to Supply Information
	Nominal Thickness (mm)	2.0
	Nominal OD (mm)	10.2

## Electrical Properties

Rated Voltage	300V
Max. Conductor DC Resistance @20°C	89.0Ω/km
Characteristic Impedance	120±15Ω
Nom. Capac. Conductor to Cond.	50pF/m
Voltage test : Core to Core	1.5kV d.c/1min
Voltage test : Core to Shield	1.5kV d.c/1min

## Mechanical Properties

Operating Temperature Range	-25 to 90°C
Max. Recommended Pulling Tension	206N
Min. Bend Radius (install)	61mm
Approximate Mass	13.2kg/100m
Sheath Printing	TBA

## Fire and Flame Performance Properties

Single cable flame propagation	IEC 60332-1
Bunched cable flame propagation	IEC 60332-3-22 (Class A)
Acid gas generation	IEC 60754-1 and 2 HCL content ≤ 5mg/g (0.5%) pH ≥ 4.3 Conductivity ≤ 10μS/mm



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**Light Transmittance**

 IEC 61034-1  
 ≥ 60%

**AS4507 Classification**
RHE-3 based on IEC tests<sup>1</sup>
**Supply Information**

Product No	Pack Type	Pack Size	Dimensions	Qty Per Carton	Cartons Per Pallet
GCC2211-0384BK305	Wooden Reel	305m	W52 x H27.4cm	TBA	TBA
GCC2211-0384BK500	Wooden Reel	500m	W52 x H39.4cm	TBA	TBA
GCC2211-0384GY305	Wooden Reel	305m	W52 x H27.4cm	TBA	TBA
GCC2211-0384GY500	Wooden Reel	500m	W52 x H39.4cm	TBA	TBA

**Change Record**

Issue	Date	Prepared By	Approved By
02	10-11-2022	GK	
01	09-11-2022	YDM	LQM

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

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<sup>1</sup> Note that AS 4507 refers to AS/NZS 1660 for test methods and limits. This range of standards has been obsoleted and superseded by IEC equivalents. The RHE rating listed in this datasheet is based on meeting the requirements of the superseding IEC standard, not the original AS 1660 standard

GCC2211-0384\_01\_091122