

Composite Cable

Part No: GCC2011-0408

Description

4C X 14/0.2 mm : Stranded 22AWG PACW, 4 Cores, PVC Insulation, PVC Sheath;
 6C X 14/0.2 mm : Stranded 22AWG PACW, 6 Cores, PVC Insulation, PVC Sheath;
 6C X 7/0.2 mm screened : Stranded 24AWG TACW, 6 Cores, PVC Insulation, Al. Polyester Tape Overall Screen, Stranded 24AWG TACW Drain Wire, PVC Sheath;
 24/0.2 mm Fig 8 : Stranded 19AWG PACW, Figure 8 construction, PVC Insulation; Mylar Tape, PVC Outer Sheath.

Applicable Standards

AS/CA S008, UL758 20098, UL758 2468

Suitable Applications

A range of cables with composite cores have been designed and manufactured to meet individual customer needs.
 Not suitable for mains connection.

Images

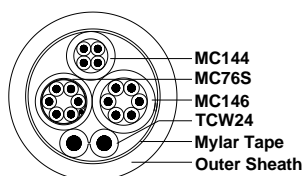


Image for illustration purposes only



Cable Description

Construction

4C x 14/0.2 mm

Conductor	Material	PACW
	Size	21 AWG
	Stranding	14/0.2
	Area	0.44 mm ²
	Diameter	0.87 mm
Insulation	Cores	4
	Material	PVC
	Colour	White, Blue, Red, Black
	Nominal Thickness (mm)	0.3

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Sheath	Nominal OD (mm)	1.5
	Material	PVC
	Colour	White
	Nominal Thickness (mm)	0.5
	Nominal OD (mm)	4.7
6C X 14/0.2 mm		
Conductor	Material	PACW
	Size	21 AWG
	Stranding	14/0.2
	Area	0.44 mm ²
	Diameter	0.87 mm
Insulation	Cores	6
	Material	PVC
	Colour	White, Blue, Red, Black, Yellow, Green
	Nominal Thickness (mm)	0.3
	Nominal OD (mm)	1.5
Sheath	Material	PVC
	Colour	White
	Nominal Thickness (mm)	0.5
	Nominal OD (mm)	5.5
6C X 7/0.2 mm Screened:		
Conductor	Material	TACW
	Size	24 AWG
	Stranding	7/0.2
	Area	0.22 mm ²
	Diameter	0.6 mm
Insulation	Cores	6
	Material	PVC
	Colour	White, Blue, Red, Black, Yellow, Green
	Nominal Thickness (mm)	0.28
	Nominal OD (mm)	1.2
Filler	Material	Mylar Tape, 100% Coverage
Drain Wire	Material	TACW
	Size	24AWG
	Stranding	7/0.2mm
Screen	Material	Al. Foil, 100% Coverage
Sheath	Material	PVC
	Colour	Grey
	Nominal Thickness (mm)	0.5

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	Nominal OD (mm)	4.7
24/0.2 mm Fig 8:		
Conductor	Material	PACW
	Size	19 AWG
	Stranding	24/0.2
	Area	0.75 mm ²
	Diameter	1.13 mm
Insulation	Cores	2
	Material	PVC
	Colour	White/Black Stripe
	Nominal Thickness (mm)	0.75
	Nominal OD (mm)	2.7 x 5.4
Overall Cable		
Filler	Material	Mylar Tape, 100% Coverage
	Material	PVC
	Colour	Green
	Nominal Thickness (mm)	0.7
	Nominal OD (mm)	13.3* Rope shape

Electrical Properties

4C x 14/0.2 mm

Voltage Rating	150V
Max. Conductor DC Resistance @ 20°C	50.0Ω/km
Min. Insulation Resistance @ 20°C	50MΩ.km
Voltage Test: Conductor to core	2.0kV ac/1min
Voltage Test: Core to sheath	3.0kV ac/1min

6C X 14/0.2 mm

Voltage Rating	150V
Max. Conductor DC Resistance @ 20°C	50.0Ω/km
Min. Insulation Resistance @ 20°C	50MΩ.km
Voltage Test: Conductor to core	2.0kV ac/1min
Voltage Test: Core to sheath	3.0kV ac/1min

6C X 7/0.2 mm Screened:

Voltage Rating	150V
Max. Conductor DC Resistance @ 20°C	100Ω/km
Min. Insulation Resistance @ 20°C	50MΩ.km

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Electrical Properties

Voltage Test: Conductor to core	2.0kV ac/1min
Voltage Test: Core to Shielded	500V ac/1min
Voltage Test: Core to sheath	3.0kV ac/1min
Voltage Test: Shielded to sheath	3.0kV ac/1min

24/0.2 mm Fig 8:

Voltage Rating	300V
Max. Conductor DC Resistance @ 20°C	29.2Ω/km
Min. Insulation Resistance @ 20°C	50MΩ.km
Voltage Test: Conductor to core	2.0kV ac/1min

Mechanical Properties

Operating Temperature Range	-15 to 60°C
Max. Recommended Pulling Tension	504N
Min. Bend Radius (install)	80mm
Approximate Mass	18.4kg/100m

Sheath Printing

RCM GARLAND GCC2011-0408 COMPOSITE
FIG8+4C+6C+ 6C X 7/0.2 MM SCREENED COMPOSITE
SECURITY - Batch - (meter marking) MT

Supply Information

Product No	Pack Type	Pack Size	Dimensions	Qty Per Carton	Cartons Per Pallet
GCC2011-0408GN100	Wooden Reel	100m	W40 x 27.4cm	TBA	TBA
GCC2011-0408GN200	Wooden Reel	200m	W48 x 39.4cm	TBA	TBA
GCC2011-0408GN500	Wooden Reel	500m	W70 x 46cm	TBA	TBA

Change Record

Issue	Date	Prepared By	Approved By
01	18-11-2020	WDM	LQM
02	31-08-2023	WDM	LQM
03	05-09-2023	WDM	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

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