

Part No: RW100124

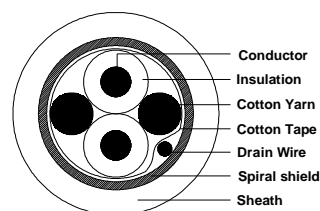
Audio Cable

Description	42/0.08BC x 1P + Foam PE Insulation + Cotton Yarn + Cotton Tape + Drain Wire + 64/0.1TC Left Spiral Shield + 64/0.1TC Right Spiral Shield + PVC Sheath O.D 5.4mm
Applicable Standards	Reference to Belden 1800F
Suitable Applications	Used extensively for Audio systems. *Not intended for direct connection to mains power.

Cable Construction Drawing



Cable Construction Relative Parts



Cable Description

Conductor 42/0.08+/-0.006BC

Insulation Pairs: 1
Material: Foam PE
Colour: Red/Black
Min. Thickness 0.35mm / Nom. Thickness $\geq 0.5\text{mm}$ / Nom. O.D $1.6+/-0.1\text{mm}$

Filler Material: Cotton Yarn

Material: Cotton Tape

Drain Wire 30/0.08+/-0.006BC

Shielding 64/0.1+/-0.006mmTC Left Spiral Shield

64/0.1+/-0.006mmTC Right Spiral Shield

Sheath Material: PVC / Colour: Black

Min. Thickness 0.66mm / Nom. Thickness $\geq 0.9\text{mm}$ / Nom. Sheath O.D 5.4+/-0.2mm

Spark Voltage: 3000V a.c

Electrical Properties

Rated Voltage	300V							
Conductor Max D.C Resistance	95.5ohm/km 20°C							
Nom. Characteristic Impedance	110ohm							
Nom. Capac. Conductor to Cond.	50pF/m (1KHz)							
Voltage Test: Core to Core	1.5kV dc/1min							
Voltage Test: Core to Shield	1.5kV dc/1min							
Nom. Attenuation (dB/100m)	(MHz)	1.024	1.411	1.536	2.048	2.8224	3.072	4.096
	(dB)	2.231	2.92	3.117	3.937	4.922	5.25	6.89
	(MHz)	5.645	6.144	8.192	11.29	12.288	24.576	-
	(dB)	9.187	9.843	11.812	14.765	15.421	23.295	-

Physical Properties

Sheath Elongation	$\geq 100\%$
Sheath Tensile Strength	$\geq 12\text{N/mm}^2$

Mechanical Properties

Operating Temperature Range	-20 to 75°C
Max. Recommended Pulling Tension	111N
Min. Bend Radius (install)	54mm
Approximate Mass	4.5kg/100m
Sheath Printing	TBA

Supply Information

P/N	Pack Size	Pack Type	Dimensions	Qty Per Carton
GCC1911-0429BK305m	305m	Wooden Reel	W33 x H21.8cm	1R

Document Change Record	Issue	Date	Prepared by	Approved By
	01	10-01-2020	YDM	LQM

Change History	Issue	Change