



## RapidRun<sup>®</sup> 6in 3.5mm Audio Breakout Adapter Cable - Source

- Color Code: Blue (for use with Multimedia runners)
- Designed for applications where audio and video are delivered to separate equipment in different locations. The breakout will occur at the source end of the runner cable
- Five 28AWG coaxial cables with braided copper shielding
- Lifetime Warranty

\*The specifications apply only to the raw cable used to construct the cable assemblies

# Specifications: RapidRun® 6in 3.5mm Audio Breakout Adapter Cable - Source

## Electrical Characteristics:

### 5 Coax Conductors

Impedance: 75 ± 5Ω  
 Capacitance: 66.2 ± 5pF/m nom  
 Velocity of Propagation: 78 ± 1 %  
 DC Resistance: 0.221Ω/m at 20°C  
 Dielectric Strength: 500VAC/ 1 minute; No breakdown  
 Insulation Resistance (500V): 100MΩ/KM at 20°C  
 Attenuation:

Frequency	Conductor 1 - Red		Conductor 2 - Green		Conductor 3 - Blue		Conductor 4 - Black		Conductor 5 - White	
	dB/15m	dB/45m	dB/15m	dB/45m	dB/15m	dB/45m	dB/15m	dB/45m	dB/15m	dB/45m
1MHz	0.12	0.42	0.24	0.85	0.18	0.73	0.11	0.71	0.16	0.78
10MHz	0.86	2.53	0.9	2.89	0.89	2.84	0.75	2.76	0.85	2.94
50MHz	2.07	6.13	2.23	6.55	20.9	6.44	2.04	6.42	2.11	6.65
100MHz	2.98	9.06	3.23	9.49	3.06	9.28	3.01	9.37	3.12	9.63
200MHz	4.45	13.58	4.87	14.21	4.53	13.79	4.57	14.17	4.55	14.33
400MHz	6.72	20.56	7.75	21.83	6.93	20.98	7.16	20.93	6.96	21.67
700MHz	9.95	29.84	12.01	31.24	10.24	30.27	10.81	28.08	10.25	31.55
1000MHz	13.20	42.75	17.52	41.68	14.01	42.53	15.49	40.54	14.49	40.87

## Physical Characteristics:

Voltage Rating: 30V  
 Temperature Rating: 80°C  
 Temperature Range: -25° ~ 80°C  
 Minimum Bend Radius: 135 ± 5mm  
 Approvals: RoHS Compliant  
 Warranty: Lifetime  
 Package Type: Polybag

Item	Description	Weight
42168	RapidRun 6in 3.5mm Audio Breakout Adapter Cable	0.50

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## Conductor (Qty. 3):

Conductor Type:	28AWG 7/36 Tinned Copper
Insulation:	Minimum Avg. Thickness: 0.19mm Foam FEP
Shield:	AL-Foil – 100% Coverage Braided Tinned Copper 42±3/0.12 85% Min. Coverage
Jacket:	Minimum Avg. Thickness: 0.7mm PVC (1) red, (1) green, (1) blue

## 3.5mm Connector (Qty. 1):

Connector Type:	3.5mm Stereo
Gender:	Female
Contact Material:	Brass with 3µm Nickel Plating

## RapidRun Din Connector (Qty. 1):

Connector Type:	DIN 12 pin
Gender:	Male
Contact Material:	Brass, 3µm Gold Plating
Insulation:	Black PBT

## Conductor (Qty. 1 pair):

Conductor Type:	28AWG 7/36 Tinned Copper
Insulation:	Minimum Avg. Thickness: 0.19mm Foam FEP
Shield:	AL-Foil – 100% Coverage Braided Tinned Copper 42±3/0.12 85% Min. Coverage
Jacket:	Minimum Avg. Thickness: 0.7mm PVC (1) black, (1) white

## RapidRun Din Connector (Qty. 1):

Connector Type:	DIN 12 pin
Gender:	Female
Contact Material:	Brass, 3µm Gold Plating
Insulation:	Black PBT

## Overall Cable

AL Mylar Shield:	100% Coverage
Braided Shield:	85% Coverage (42 ± 3/0.12 Tinned Copper)
Drain Wire:	7/34AWG Tinned Copper
Jacket:	PVC – CL2 rated Minimum Avg. Thickness: 0.7mm (min.) Blue Heat Shrink

