

SHIELDED COAXIAL CABLE

DESCRIPTION

DYNAMIX C-RG6-152-BK is a black shielded coaxial cable designed for CATV/MATV, broadband, HDTV & satellite broadcasting transmission use. It features an 18AWG solid copper clad steel conductor, foam PE insulation, bonded aluminium foil shielding, aluminium wire braiding with 58% coverage, & a PVC sheath.

FEATURES

- 18AWG solid copper clad steel conductor
- Foam PE insulation
- Bonded aluminium foil shielding with 100% coverage
- Aluminium wire braiding with 58% coverage
- Black PVC sheath
- $75\pm 3\Omega$ nominal characteristic impedance at 10MHz
- Suitable for CATV/MATV applications
- Suitable for broadband, HDTV & satellite broadcasting transmission
- Minimum bend radius of 69mm
- Operating temperature range of -15°C to 70°C



PRODUCT CODE	DESCRIPTION	COLOUR	AWG	OHM	LENGTH (M)
C-RG6-152-BK	Shielded Cable solid core. Foil & braid shield.	Black	18	75	152

SPECIFICATIONS

Product Type	Shielded coaxial cable
Colour	Black
Conductor Material	Copper clad steel
Conductor Size	18AWG
Conductor Construction	Solid, 1/1.02mm
Insulation Material	Foam PE
Insulation Nominal O.D	4.57mm
Shielding Material	Bonded aluminium foil, 100% coverage
Braiding Material	Aluminium wire, 58% coverage
Sheath Material	PVC
Sheath Nominal O.D	6.9mm
Minimum Bend Radius	69mm
Operating Temperature	-15°C to 70°C
Maximum Conductor DC Resistance @ 20°C	100Ω/km
Minimum Insulation Resistance	1000MΩ.km
Voltage Test	Core to shielding: 1000V a.c/1min
Nominal Characteristic Impedance	$75\pm 3\Omega$ at 10MHz
Nominal Capacitance	$53\pm 1\text{pF/m}$ at 1kHz
Return Loss	>20dB, 5MHz-1GHz

Please note we took the up-most care to compile the information in this datasheet. To the best of our knowLEDge all info provided were correct at the time of creation. Should any specs change we try to update info accordingly. Information are subject to change without notice. In the case that you find any irregularity please inform our team at contactus@dynamix.co.nz

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