

Dual Coax to RJ45 Balun Cable Assembly



Description

A range of versatile Balun cable assemblies which provide a low cost, flexible solution to the problem of connecting balanced 120 ohm twisted pair interfaces to an unbalanced 75 ohm coax network. Suitable for 2Mbit/s E1 transmissions up to 180 metres, for 8Mbit/s E2 transmissions please specify Category 5e, 120 ohm cable, see part number chart at the end of this page. The 120 ohm, 2 pair, Foil Screened cable is terminated at one end in a shielded RJ45 plug, complete with strain relief boot. The other end is split into two legs, each leg is over sleeved, labelled Tx and Rx respectively and terminated in Balun connectors. Available with float mount Type43 plugs for installation in existing DDF frames.

Features and Benefits

- Save valuable rack space
- Plug & Go, flexible solution
- G.703 Compliant
- Low Insertion Loss
- No AC Power or Batteries Required
- 100% Tested

Balun Specifications

Insertion Loss	Maximum 0.2dB at 2Mbit/s, 0.3dB at 8Mbit/s
Cross talk, mounted in DDF	Better than 80dB from 0.1 to 10Mhz
Return Loss	-29dB at 2Mbit/s, -21dB at 8Mbit/s
Coaxial Connector	Type43, 1.6/5.6, 1.0/2.3, BNC

Cable Specifications

Inner Conductors	0.5mm tinned copper wire
Characteristic impedance	120 ohm
Insulation, Sheath	Cellular Foam PE, PVC
Overall Diameter	5.35mm
RJ45 Wiring Scheme	Tx, 1 Tip, 2 Ring. Rx, 4 Tip, 5 Ring
Screen	Aluminium foil plus drain wire
Capacitance, DCR	40pF/m, 95 ohm/Km
Attenuation at 1Mhz	2.2dB/100m
Harmonisation Code	8544 - 42 - 10

Part Numbers	Description
TKCC703.T43M.xx.xx	Type43 Plugs to Shielded RJ45 Plug, 120 ohm Cable
TKCC703.1656F.xx.xx	1.6/5.6 Sockets to Shielded RJ45 Plug, 120 ohm Cable
TKCC703.1023F.xx.xx	1.0/2.3 Sockets to Shielded RJ45 Plug, 120 ohm Cable
TKCC703.BNCM.xx.xx	BNC Plugs to Shielded RJ45 Plug, 120 ohm Cable

Ordering Details

Specify the cable length in metres in place of **xx.xx**
(eg; "TKCC703.T43M.01.30" for a cable 1m 30cm in length).