

# M17/45-RG108 TWINAXIAL CABLE

## ELECTRONICS

### P/N 6310810101

#### INDUSTRY

### Applications

Data processing and information systems



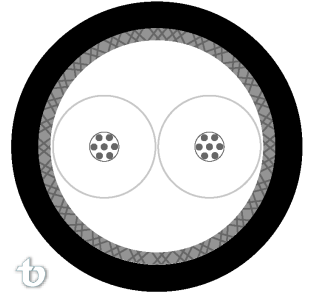
Outer Jacket Material  
FR-PVC



Outer diameter  
6.0 mm nom.



Weight  
46 kg/km



### General Construction

78  $\Omega$  twinaxial cable for data processing and information systems up to 10 MHz. The cable has two 20 AWG, PE insulated conductors, twisted to form a balanced pair.

### Design & Materials

Inner Conductor Material	Tinned Copper
Inner Conductor Size (mm)	7x0.32
Inner Conductor Size (AWG)	20
Inner Conductor Construction	Stranded
Insulation Material	Solid LDPE
Insulation O.D. (mm nom)	2.0
Design	Twinax
Overall Braid Shield	Yes
Overall Braid Material	Annealed Tinned Copper
Braid Conductor Size (mm)	0.127
Braid Coverage (% nom)	87
Outer Jacket Color	Black
Marking	Per request

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#### Performance

Impedance ( $\Omega$ )	78
DC Resistance ( $\Omega$ /km nom)	34.6
Attenuation	9.2 dB/100 m max @ 10 MHz
Capacitance (pF/m)	80
Velocity of Propagation (% nom)	66
Dielectric Strength (V/minute)	2000
Voltage Rating (V)	750
Min. Operating Temperature ( $^{\circ}\text{C}$ )	-30
Max. Operating Temperature ( $^{\circ}\text{C}$ )	+70

Installation Guidelines as per IEC TR 62263

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#### Standards

Flammability Rating  
UL 1581 VW-1

