

FEATURES

- ✓ Isolation integrity verified up to 100MHz for at least 120 minutes in the event of a fire
- ✓ Circuit integrity (EN50200); 120 min
- ✓ Halogen-free (IEC 60754-1 & EN50267-2-1)
- ✓ Flame-retardant (IEC 60332-1)
- ✓ Fire retardant (IEC 60334-3-24)
- ✓ Low smoke density (IEC 61034-2)
- ✓ Solid bare copper conductor
- ✓ Core insulation: Based on Polyolefin
- ✓ Meets the requirements according to Cat.5e and class D
- ✓ Twisting: 2 twisted-pair cores, stranding from 4 pairs
- ✓ F/UTP: foil screening as overall screening
- ✓ Flame-retardant FRNC outer sheath
- ✓ colour: red for fire applications



PRODUCT DESCRIPTION

The Cat 5.e Ethernet Cable is a high speed data transmission cable with isolation integrity suitable for application in industrial environments. The high quality screen ensures high transmission reliability of data transfer in electromagnetically polluted areas.

TECHNICAL SPECIFICATIONS

Classification ETIM 5/6	ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description: Data cable
Peak operating voltage	125V (not for power applications)
Minimum bending radius	Fixed installation: 15 x outer diameter
Characteristic impedance	100Ω ± 15%
Temperature range	Operation: -20°C to +70°C
Number of pairs and AWG per conductor	4 x 2 x AWG23/1
Insulation	Polyfine with wrapping of special mineral class tape
Stranding	2 cores stranded to pair 4 pairs are separated by a central cross element
Screen	Plastic laminated metal foil with drain wire (26/1 AWG)
Core diameter	0.95mm
Outer diameter	8.6mm
Copper index (kg/km)	24
Weight (kg/km)	75

ELECTRICAL PROPERTIES

DC Resistance (loop)	Max 134 Ω /km
Insulation Resistance	Min 2 G Ω xkm
Mutual Capacitance	Nom. 100 Ω acc. to IEC61156-5
Operating Peak Voltage	125V - not to be used for power applications
Velocity of Propagation	Approx 0.67c
Signal Propagation Time	Nom. 510ns/100m
Test Voltage	Core/core : 700V Core/screen : 700V

STANDARDS COMPLIANCE

Flammability	Flame retardant according to IEC60332-1-2 Insulation integrity class PH120 according to EN50200
Halogen Free	According to IEC60754-1
Halogen Acid Gas Contents	According to IEC60754-2

Note: This is an Indent item and lead times may apply.

Disclaimer: This product has no Australian approvals. Refer to IEC/EN approvals above.