

EUT-E3C Multi Pairs and Triples

APPLICATIONS

These cables are designed to connect electrical instrument circuits and provide communication services in and around process plants (e.g. petrochemical industry etc.). Pairs are individually shielded for enhanced signal security to prevent cross-talk within cable. Suitable for direct burial applications. For installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment.



STANDARDS

EN 50288-7, EN 50288-1, EN 60228
Flame Retardant according to:
IEC/EN 60332-1-2, IEC/EN 60332-3-24
Low Smoke Halogen Free according to:
IEC/EN 60754-1/2, IEC/EN 61034-2, UV Resistant

CABLE DESIGNATION (P102, P103, P104)

Voltage Rating	Operating Temperature	Minimum Bending Radius
300 / 500 v	Fixed: -40°C to +80°C Flexed: 0°C to +50°C	12 x overall diameter

CONSTRUCTION

Core Identification

Pairs: ○White ●Black, numbered
Triples: ○White ●Black ●Red

Conductor	Stranded annealed copper wires (EN 60228, Class 2)	
Insulation	XLPE (Cross-Linked Polyethylene)	
Individual and Collective Screen	Al/PET (Aluminium/Polyester Tape)	
Drain Wire	Tinned Copper	
Inner Sheath	LSZH (Low Smoke Zero Halogen)	
Armour	SWA (Galvanised steel wires)	
Outer Sheath	LSZH (Low Smoke Zero Halogen) - UV Resistant	
Outer Sheath Colour	●Blue	●Black

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DIMENSIONS

EUTEX PART NO.	NO. OF PAIRS/TRIPLE	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm
EUT-E3C-02P0.5-*	2P	0.5	11.9
EUT-E3C-02P.75-*	2P	0.75	12.9
EUT-E3C-02P1.0-*	2P	1	12.7
EUT-E3C-02P1.5-*	2P	1.5	15.2
EUT-E3C-01T0.5-*	1T	0.5	12.3
EUT-E3C-01T.75-*	1T	0.75	13.4
EUT-E3C-01T1.0-*	1T	1	13.2
EUT-E3C-01T1.5-*	1T	1.5	15.9
EUT-E3C-05P0.5-*	5P	0.5	14
EUT-E3C-05P.75-*	5P	0.75	15.4
EUT-E3C-05P1.0-*	5P	1	15.1
EUT-E3C-05P1.5-*	5P	1.5	18.5
EUT-E3C-10P0.5-*	10P	0.5	18
EUT-E3C-10P.75-*	10P	0.75	20.6
EUT-E3C-10P1.0-*	10P	1	22
EUT-E3C-10P1.5-*	10P	1.5	26.1
EUT-E3C-15P0.5-*	15P	0.5	20.7
EUT-E3C-15P.75-*	15P	0.75	23.1
EUT-E3C-15P1.0-*	15P	1	22.6
EUT-E3C-15P1.5-*	15P	1.5	29.5
EUT-E3C-20P0.5-*	20P	0.5	22.9
EUT-E3C-20P.75-*	20P	0.75	26.3
EUT-E3C-20P1.0-*	20P	1	25.8
EUT-E3C-20P1.5-*	20P	1.5	33.5
EUT-E3C-30P0.5-*	30P	0.5	26.8
EUT-E3C-30P.75-*	30P	0.75	30.1
EUT-E3C-30P1.0-*	30P	1	29.4
EUT-E3C-30P1.5-*	30P	1.5	38.4

P = Pairs, Q = Quads, T = Triples

* Designates the sheath colour. For each Eutex Cables part number replace with the color code as listed below e.g.
EUT-E3C-02P0.5-z = 0.5mm² Black

COLOUR CODES

COLOUR	Blue	Black
CODE	W	Z

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CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
	Class 2	Class 5
0.5	36.36	39.39
0.75	24.8	26.8
1	18.3	19.7
1.5	12.42	13.43
2.5	7.56	8.05

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MUTUAL CAPACITANCE pF/m	MINIMUM INSULATION RESISTANCE AT 20°C Gohms/km	MAXIMUM L/R RATIO µH/ohms
0.5	115	>10	25
0.75	115	>10	25
1	115	>10	25
1.5	120	>10	40
2.5	120	>10	65