

The Elco system cables are applied for interconnecting equipment of instrument systems using analogue and digital signals inside auxiliary and control rooms. Each system cable will be supplied in a prefabricated form and consists of a multiconductor flexible cable with a multicontact plug at one or both ends. In case of one end, the other side will be cut off. The cable entry of the plugs can be ordered in 90 degrees. The length of the cable is customized according to client specification. Alternative configurations can be produced on request.



TECHNICAL SPECIFICATION CABLE

Cable	14 x 2 x 0.75 mm ² , Dca-s3,d2,a3, eReM Shell DEP. 32.37.20.31- GEN
Conductor	0,75 mm ² = 24x0,20 mm tin plated copper
Insulation conductor	PVC, compound 90°C
Diameter jacket	2,3 mm
Bundle	Cores twisted to pairs, pairs laid up in concentric layers
Screening	2x Aluminium polyester foil 23/25 µm with drain wire 16x0,20 mm tin plated copper between the foils
Jacket	PVC flame retardant compound, Designed to meet BS 7655, BS6724, IEC 60332-3 and IEC60502
Colour	Grey
Diameter	Ø 20 mm
Weight	464 kg/km
Halogen	Yes
LOI	32%
Standards	DEP 32.37.20.31-GEN, NEN-EN50288-7, NEN-EN-IEC 60332-3
Bending radius	6 x OD
Temperature range	-30°C up to +90°C (fixed application)
RoHS	The cable is RoHS-compliant according EU directive 2002/95/EG
Operating voltage	300 V (application power limited tray cable)
Resistance	80 Ohm/km at 20 °C
Capacity	±80 nF/km
Inductivity	0,6 mH/km
L/R-ratio	3,75 µH/km
Insulation resistance	> 1000 MOhm x km
Test voltage	1500 V DC during 1 minute between core/core and core/screen

TECHNICAL SPECIFICATION ELCO CONNECTOR

Type	Elco part number
Empty connector (female) 30 P	00-8027-030-000-003
Cover 90 degrees	30-8027-8935-02-113
Crimp-on gold contacts	60-8017-0323
Locking code	1-1*

* Other combinations on request

ORDERING DATA

Type	Order number
E30/28 with 1 connector of 90 degrees	83028-90-1
E30/28 with 2 connectors of 90 degrees	83028-90-2

COLOR CODES

Contact code	Color	Color
A1	Black	
A2	Brown	
A3	Red	
A4	Orange	
A5	Yellow	
B1	Green	
B2	Blue	
B3	Purple	
B4	Grey	
B5	White	
C1	White	Black
C2	White	Brown
-		
C4	White	Red
C5	White	Orange
D1	White	Yellow
-		
-		
-		
D5	White	Green
E1	White	Blue
E2	White	Purple
-		
E4	White	Grey
E5	White	Black-brown
F1	White	Black-red
F2	White	Black-orange

Contact code	Color	Color
-		
F4	White	Black-yellow
F5	White	Black-green
G1	White	Black-blue
G2	White	Black-purple
G3	Screen	
G4	White	Black-grey
G5	White	Brown-red