ELCO SYSTEM CABLE
TYPE E30/28

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

Configuration	14 x 2 x 0.75 mm² acc. to Shell DEP. 32.37.20.31-GEN december 1997
Core identification code	Colored acc. to Shell DEP. 32.37.20.31-GEN december 1997
Stranding	24 x 0.2 mm tin plated copper
Number of conductors	28, twisted in 14 pairs
Insulation	PVC insulation Ø 2.3 mm
Diameter jacket	2.3 mm
Screening	2 x aluminium Mylar foil 23/25 µm with drain wire 16 x 0.2 mm tin plated copper
Jacket	PVC compound, flame retardant
Weight	390 kg/km
Temperature range	-30 ºC to +90 ºC
Length	To be specified
Bending radius	6 x OD
Diameter	18.4 mm
Color	Grey
Loop resistance	23 Ohm/km at 20 ºC
Capacity	± 80 nF/km
Insulation resistance	> 1000 Mohm × km
Test voltage	1500 VDC
Operating voltage	250 V
RoHS	The cable is RoHS compliant according EU directive 2002/95/EG

TECHNICAL SPECIFICATION ELCO CONNECTOR

Type	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