

ELCO SYSTEM CABLE TYPE E90/32

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	16 x 2 x 24 AWG (0.22 mm ²) 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	13 x 0.15 mm tin plated copper
Number of conductors	32, twisted in 16 pairs
Insulation	PVC
Diameter jacket	1.2 mm
Screening	2 x aluminium Mylar foil 23/25 µm with drain wire 13 x 0.15 mm tin plated copper
Jacket	PVC, flame retardant according BS 7655, BS 6724, IEC 60332-3 and IEC 60502
Weight	159 kg/km
Temperature range	-30 °C to +90 °C
Length	To be specified
Bending radius	6 x OD
Diameter	11.9 mm
Color	Blue
Loop resistance	80 Ohm/km at 20 °C
Capacity	± 80 nF/km
Insulation resistance	> 1000 Mohm × km
Test voltage	1500 VDC during 1 minute between core- core and core screen
Operating voltage	300 V
RoHS	The cable is RoHS compliant according EU directive 2002/95/EG

TECHNICAL SPECIFICATION ELCO CONNECTOR

Type	Part number
Empty connector (female) 90 P	00-8016-090-000-008
Cover 90 degrees	S800-0900-639
Crimp-on gold contacts	60-8017-0323
Locking code	4-4*

* Other combinations on request

ORDERING DATA

Type	Order number
E90/32 with 1 connector of 90 degrees	89032-90-1
E90/32 with 2 connectors of 90 degrees	89032-90-2

COLOR CODES

Contact code	Color	Color
H	Black	
J	Brown	
L	Red	
M	Orange	
P	Yellow	
X	Green	
Z	Blue	
AA	Purple	
AC	Grey	
AD	White	
AM	White	Black
AN	White	Brown
AR	White	Red
AS	White	Orange
AU	White	Yellow
BC	White	Green
AZ	White	Blue
BA	White	Purple
BJ	White	Grey
BK	White	Black-brown
BM	White	Black-red
BN	White	Black-orange
BR	White	Black-yellow
BY	White	Black-green
CA	White	Black-blue
CB	White	Black-purple
CD	White	Black-grey

Contact code	Color	Color
CE	White	Brown-red
CN	White	Brown-orange
CP	White	Brown-yellow
CS	White	Brown-green
CT	White	Brown-blue
DB	Screen	