

## ELCO SYSTEM CABLE TYPE E20/16

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 45 or 90 degrees. The length of the cable is customized according to client specification. Alternative configurations can be produced on request.



### TECHNICAL SPECIFICATION CABLE

Configuration	8 x 2 x 24 AWG (0.22 mm <sup>2</sup> ) 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	16, twisted in 8 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	89 kg/km
Temperature range	-30 °C to +90 °C
Length	To be specified
Bending radius	6 x OD
Diameter	9.1 mm
Color	Grey
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) 20 P	00-8016-020-000-008
Cover 45 degrees	S800-0200-640
Cover 90 degrees	S800-0200-639
Crimp-on gold contacts	60-8017-0323
Locking code	1-1*

\* Other combinations on request

## ORDERING DATA

Type	Order number
E20/16 with 1 connector of 45 degrees	82016-45-1
E20/16 with 2 connectors of 45 degrees	82016-45-2
E20/16 with 1 connector of 90 degrees	82016-90-1
E20/16 with 2 connectors of 90 degrees	82016-90-2

## COLOR CODES

Contact code	Color	Color	Number
A	Black		1A
B	Brown		1B
C	Red		2A
D	Orange		2B
E	Yellow		3A
F	Green		3B
H	Blue		4A
J	Purple		4B
K			5A
L			5B
M	Grey		6A
N	White		6B
P	White	Black	7A
R	White	Brown	7B
S	White	Red	8A
T	White	Orange	8B
U	White	Yellow	9A
V	White	Green	9B
W			10A
X		Earth	10B