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Partner in industrial automation

ELCO SYSTEM CABLE
TYPE E38/36

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	**18 x 2 x 24 AWG (0.22 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	**13 x 0.15 mm tin plated copper**
Number of conductors	**36, twisted in 18 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	**185.9 kg/km**
Temperature range	**-30 ºC to +90 ºC**
Length	**To be specified**
Bending radius	**6 x OD**
Diameter	**12.5 mm**
Color	**Grey**
Loop resistance	**80 Ohm/km at 20 ºC**
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**

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TECHNICAL SPECIFICATION ELCO CONNECTOR

Type	Part number
Empty connector (female) 38 P	00-8016-038-000-008
Cover 45 degrees	S800-0380-640
Cover 90 degrees	S800-0380-639
Crimp-on gold contacts	60-8017-0323
Locking code	1-1*

* Other combinations on request

ORDERING DATA

Type	Order number
E38/36 with 1 connector of 45 degrees	83836-45-1
E38/36 with 2 connectors of 45 degrees	83836-45-2
E38/36 with 1 connector of 90 degrees	83836-90-1
E38/36 with 2 connectors of 90 degrees	83836-90-2

COLOR CODES

Contact code	Color	Color	Number
A	Black		1
B	Brown		2
C	Red		3
D	Orange		4
E	Yellow		5
F	Green		6
H	Blue		7
J	Purple		8
K	Grey		9
L	White		10
M	White	Black	11
N	White	Brown	12
P	White	Red	13
R	White	Orange	14
S	White	Yellow	15
T	White	Green	16
U	White	Blue	17
V	White	Purple	18
W	White	Grey	19

Contact code	Color	Color	Number
X	White	Black-brown	20
Y	White	Black-red	21
Z	White	Black-orange	22
AA	White	Black-yellow	23
BB	White	Black-green	24
DD	White	Black-blue	25
EE	White	Black-purple	26
FF	White	Black-grey	27
HH	White	Brown-red	28
JJ	White	Brown-orange	29
KK	White	Brown-yellow	30
LL	White	Brown-green	31
MM	White	Brown-blue	32
NN	White	Brown-purple	33
PP	White	Brown-grey	34
RR	White	Brown-orange	35
SS	White	Red-yellow	36
CC	Screen		