ELCO SYSTEM CABLE
TYPE E56/54

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	27 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	54, twisted in 27 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	265.9 kg/km
Temperature range	-30 ºC to +90 ºC
Length	To be specified
Bending radius	6 x OD
Diameter	15.5 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

TECHNICAL SPECIFICATION ELCO CONNECTOR

Type	Part number
Empty connector (female) 56 P	00-8016-056-000-008
Cover 45 degrees	S800-0560-640
Cover 90 degrees	S800-0560-639
Crimp-on gold contacts	60-8017-0323
Locking code	4-4*

* Other combinations on request

ORDERING DATA

Type	Order number
E56/54 with 1 connector of 45 degrees	85654-45-1
E56/54 with 2 connectors of 45 degrees	85654-45-2
E56/54 with 1 connector of 90 degrees	85654-90-1
E56/54 with 2 connectors of 90 degrees	85654-90-2

COLOR CODES

Contact code	Color	Color
A	Black	
B	Brown	
C	Red	
D	Orange	
E	Yellow	
F	Green	
H	Blue	
J	Purple	
K	Grey	
L	White	
M	White	Black
N	White	Brown
P	White	Red
R	White	Orange
S	White	Yellow
T	White	Green
U	White	Blue
V	White	Purple
W	White	Grey
X	White	Black-brown
Y	Screen	
Z		

Contact code	Color	Color
a	White	Black-red
b	White	Black-orange
c	White	Black-yellow
d	White	Black-green
e	White	Black-blue
f	White	Black-purple
h	White	Black-grey
j	White	Brown-red
k	White	Brown-orange
l	White	Brown-yellow
m	White	Brown-green
n	White	Brown-blue
p	White	Brown-purple
r	White	Brown-grey
s	White	Red-orange
t	White	Red-yellow
u	White	Red-green
v	White	Red-blue
w	White	Red-purple
x	White	Red-grey
y	White	Orange-yellow
z	White	Orange-green

Contact code	Color	Color
AA	White	Orange-blue
BB	White	Orange-purple
CC	White	Orange-grey
DD	White	Yellow-green
EE	White	Yellow-blue
FF	White	Yellow-purple
HH	White	Yellow-grey
JJ	White	Green-blue
KK	White	Green-purple
LL	White	Green-grey
MM	White	Blue-purple
NN	White	Blue-grey