

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

Cable	27 x 2 x 0,22 mm ² , Dca-s2,d2,a3, eReM Shell Dep. 32.37.20.31-GEN 97
Conductor	24AWG = 13 x 0,15 mm tin plated copper
Insulation conductor	PVC, compound 90°C
Diameter jacket	1,2 mm
Bundle	Cores twisted to pairs, pairs laid up in concentric layers
Screening	2x Aluminium polyester foil 23/25µm, with drain wire 13x0,15 mm tin plated copper between the foils
Jacket	PVC flame retardant compound, designed to meet BS 7655, BS6724, IEC 60332-3 and IEC60502
Colour	Grey
Diameter	Ø 14,9 mm
Weight	266 kg/km
Halogen	yes
LOI	32%
Standards	DEP 32.37.20.31-GEN, NEN-EN50288-7, NEN-EN-IEC 60332-3
Bending radius	6 x OD
Temperature range	-30°C up to +90°C (fixed application)
RoHS	The cable is RoHS-compliant according EU directive 2002/95/EG
Operating voltage	300 V (application power limited tray cable)
Resistance	83,9 Ohm/km
Capacity	±80 nF/km
Inductivity	0,6 mH/km
L/R-ratio	3,75 µH/km
Insulation resistance	> 1000 MOhm x km
Test voltage	1000 V



Technical specification connector

Type	Elco part number	Edac part number
Empty connector (female) 56 P	00-8016-056-000-008	516-056-000-401
Cover 45 degrees	S800-0560-640	516-230-556 + 45 degr. bracket
Cover 90 degrees	S800-0560-639	516-230-556
Crimp-on gold contacts	60-8017-0323	516-290-591
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

