

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	12 x 2 x 0,22 mm <sup>2</sup> , Dca-s3,d2,a3, eReM Shell Dep. 32.37.20.31-GEN
Conductor	24AWG = 13 x 0,15 mm tin plated copper
Insulation conductor	PVC, compound 90°C
Diameter conductor	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
Jacket	PVC flame retardant compound Designed to meet BS 7655, BS6724, IEC 60332-3 and IEC60502
Colour	Blue
Diameter	Ø 10,9 mm
Weight	147 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	80 Ohm/km at 20 °C
Capacity	±80 nF/km
Inductivity	0,6 mH/km
L/R-ratio	3,75 µH/km
Insulation resistance	> 1000 MOhm x km
Test voltage	1500 V DC during 1 minute between core/core and core/screen

## TECHNICAL SPECIFICATION ELCO CONNECTOR

Type	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	1-1*	

\* Other combinations on request

## ORDERING DATA

Type	Order number
E56/24 with 1 connector of 45 degrees	85624-45-1
E56/24 with 2 connectors of 45 degrees	85624-45-2
E56/24 with 1 connector of 90 degrees	85624-90-1
E56/24 with 2 connectors of 90 degrees	85624-90-2

## COLOR CODES

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

Contact code	Color	Color
a	Grey	
b	White	
c		
d	White	Black
e		
f		
h		
j	White	Brown
k	White	Red
l	White	Orange
m		
n		
p		
r		
s	White	Yellow
t	White	Green
u	White	Blue
v	White	Purple
w		
x		
y		
z		

Contact code	Color	Color
AA		
BB	White	Grey
CC	White	Black- brown
DD	White	Black-red
EE	White	Black-orange
FF		
HH		
JJ		
KK		
LL		
MM	White	Black-yellow
NN	White	Black-green