

ELCO SYSTEM CABLE TYPE E56/24

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 | 12 x 2 x 24 AWG (0.22 mm ²) 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 | 24, twisted in 12 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 | 119 kg/km |
| Temperature range | -30 °C to +90 °C |
| Length | To be specified |
| Bending radius | 6 x OD |
| Diameter | 10.6 mm |
| Color | Blue |
| 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) 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 | 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 |