

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                 | 18 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 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 12,5 mm  |
| Weight                | 199 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                          | Elco part number    | Edac part number               |
|-------------------------------|---------------------|--------------------------------|
| Empty connector (female) 38 P | 00-8016-038-000-008 | 516-038-000-401                |
| Cover 45 degrees              | S800-0380-640       | 516-230-538 + 45 degr. Bracket |
| Cover 90 degrees              | S800-0380-639       | 516-230-538                    |
| Crimp-on gold contacts        | 60-8017-0323        | 516-290-591                    |
| 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 |              |        |