



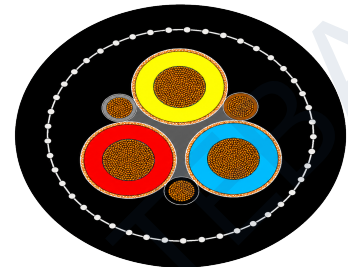
TEBAOFLEX CABLE

## DATA SHEET

Mining&Industrial cable

# SANS TYPE 61A TRAILING CABLE

640/1100 V heavy-duty flexible trailing cable



### APPLICATION

Connection cable for portable electrical equipment and machinery, including equipment used in hazardous areas. Suitable for reeling and non-reeling applications in mining and industrial service.

### CONSTRUCTION

| Parameter           | Value                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Conductor           | Class 5 flexible stranded tinned annealed copper                                                                           |
| Insulation          | EPR ethylene propylene rubber thermosetting compound                                                                       |
| Braid               | Nylon / tinned copper wires                                                                                                |
| Pilot core          | Insulated pilot core incorporated in the cable lay-up                                                                      |
| Lay                 | Three tinned copper / nylon braid screened power cores and one unscreened pilot core laid up around a rubber filler centre |
| Inner sheath        | CR polychloroprene rubber                                                                                                  |
| Reinforcement braid | Open nylon braid, minimum 16 strings                                                                                       |
| Outer sheath        | TPU thermoplastic polyurethane                                                                                             |
| Sheath colour       | Black or transparent with orange silver reflective tape under sheath                                                       |

### CABLE CHARACTERISTICS

| Parameter              | Value                                                               |
|------------------------|---------------------------------------------------------------------|
| Standard               | SANS 1520-1; SANS 1411-1; SANS 1411-3; ICEA S-75-381 Tab. 3-3       |
| Rated voltage          | 640/1100 V                                                          |
| Temperature rating     | -25 deg C to +90 deg C                                              |
| Minimum bending radius | 6 x overall diameter                                                |
| Performance            | UV resistant, ozone resistant, sunlight resistant and oil resistant |

## TECHNICAL DATA

Complete nominal dimensional data. Source ordering codes have been omitted.

| TYPE 61A DIMENSIONS |                    |                     |                     |                       |                |                    |                     |                |                 |              |
|---------------------|--------------------|---------------------|---------------------|-----------------------|----------------|--------------------|---------------------|----------------|-----------------|--------------|
| Power size mm2      | Power wire dia. mm | Power cond. dia. mm | Screen wire dia. mm | Screen cross-sec. mm2 | Pilot size mm2 | Pilot wire dia. mm | Pilot cond. dia. mm | Max tension kN | Overall dia. mm | Weight kg/km |
| 95                  | 0.51               | 13.5                | 0.31                | 43                    | 16             | 0.41               | 5.3                 | 4.3            | 59.1            | 6340         |

| SERVICE CONDITIONS    |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Parameter             | Value                                                               |
| Voltage rating        | 640/1100 V                                                          |
| Installation use      | Reeling and non-reeling operation for portable electrical equipment |
| Operating environment | Hazardous-area mining and industrial service                        |
| Resistance properties | UV resistant, ozone resistant, sunlight resistant and oil resistant |

| NOTES                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------|
| Nominal dimensions and weights are provided for cable selection. Actual cable dimensions may vary due to manufacturing tolerances. |

## CERTIFICATIONS

