



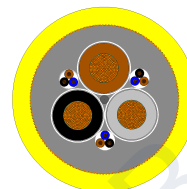
TEBAOFLEX CABLE

## DATA SHEET

Mining&Industrial cable

# (N)SSHCGEWÖU-V

0.6/1 kV coal cutter cable



### APPLICATION

Used in coal mines to supply cutters and drills. Monitoring cores make it easy to detect outer damage. Suitable for mines, tunnels or any place that requires a heavy-duty cable.

### CABLE DESIGN

| Component    | Description                                                               |
|--------------|---------------------------------------------------------------------------|
| Conductor    | Electrolytic, stranded, tinned copper wire, DIN VDE 0295 class 5          |
| Separator    | Semiconducting layer over monitoring conductor                            |
| Insulation   | Phase and control cores insulated with 3GI3 compound                      |
| Separator    | Semiconducting layer over phase cores and control units                   |
| Layup        | Phase cores laid up in contact with each other and pre-laid control units |
| Bedding      | Special elastomeric compound GM1b according to DIN VDE 0207 part 21       |
| Armour       | Galvanized steel and tinned copper pliable armour                         |
| Outer sheath | Heavy-duty elastomer outer sheath 5GM5 according to DIN VDE 0207 part 21  |

### CHARACTERISTICS

- Three phase cores and three control units laid up together.
- Each control unit consists of two control cores and one monitoring core.
- All cores are screened by semiconductive elastomer.
- Heavy-duty inner and outer sheath with overall screen/armour in between.

### OPERATING CHARACTERISTICS

| Parameter         | Value        |
|-------------------|--------------|
| Related standards | VDE 0250-812 |
| Rated voltage     | 0.6/1 kV     |
| Test voltage      | 3 kV         |

# TECHNICAL DATA

## DIMENSIONS AND ELECTRICAL CHARACTERISTICS

Values are technical parameters only. Cable dimensions may vary due to manufacturing tolerances.

| Cross-section mm2                           | Min. overall diameter mm | Max. overall diameter mm | Approx. cable weight kg/km | Copper weight kg/km |
|---------------------------------------------|--------------------------|--------------------------|----------------------------|---------------------|
| 3 x 16/16 CON + 2 x 2.5 ST + 2.5 UEL        | 33                       | 38                       | 2,000                      | 690                 |
| 3 x 25/16 CON + 3 x (2 x 1.5 ST + 1.5 UEL)  | 41                       | 46                       | 3,000                      | 1,050               |
| 3 x 35/16 CON + 3 x (2 x 1.5 ST + 1.5 UEL)  | 41                       | 46                       | 3,200                      | 1,350               |
| 3 x 50/25 CON + 3 x (2 x 1.5 ST + 1.5 UEL)  | 46                       | 51                       | 4,200                      | 1,870               |
| 3 x 70/35 CON + 3 x (2 x 1.5 ST + 1.5 UEL)  | 50                       | 55                       | 5,400                      | 2,550               |
| 3 x 95/50 CON + 3 x (2 x 1.5 ST + 1.5 UEL)  | 57                       | 62                       | 6,900                      | 3,410               |
| 3 x 120/70 CON + 3 x (2 x 1.5 ST + 1.5 UEL) | 62                       | 67                       | 8,600                      | 4,330               |

## NOTES

- The above values correspond to the manufacturer's specifications and are not guaranteed.
- We reserve the right to change details without notice.
- Any other sizes or any other designs available on request.

## CERTIFICATIONS

