

# Duct - Microbundle cables

## MICROBUNDLE RSM CABLE 24X12SM SP1842 (OR)

This ruggedized cable is used for Access, Distribution, City Network and FTTx applications. It is designed to be quickly installed by pulling, blowing and in aerial network.

### Characteristics & Applications

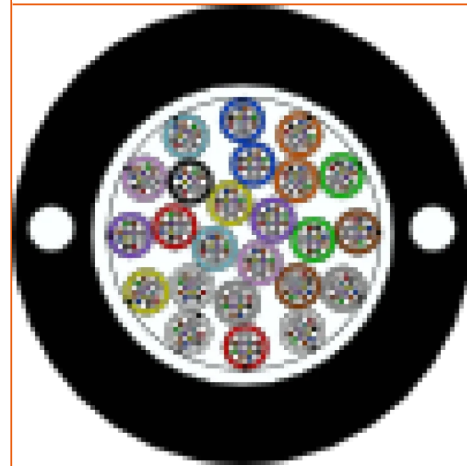
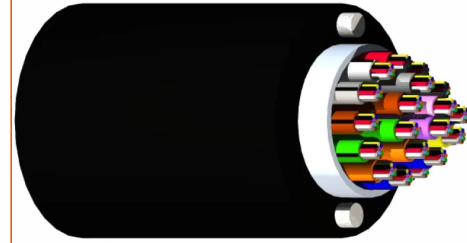
- Ruggedized cable design
- Easy installation with mid span access possibility
- Easy micro bundle stripability
- Glass yarns and radial strength members reinforcement
- All dielectric design
- Waterproof structure

### Construction

- Jelly filled microbundles containing coloured fibres
- Radial FRP strength members
- Glass yarns reinforcement
- HDPE outer sheath

### Fibre Colour Table following ORANGE spec

|            | tube 1  | tube 2  | tube 3  | tube 4  | tube 5  | tube 6  | tube 7  | tube 8  | tube 9  | tube 10    | tube 11  | tube 12  |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|----------|----------|
| > 12 tubes | RD+1    | BU+1    | GN+1    | YE+1    | PU+1    | WT+1    | OR+1    | GY+1    | BN+1    | Light GR+1 | TQ+1     | PK+1     |
|            | RD+2    | BU+2    | GN+2    | YE+2    | PU+2    | WT+2    | OR+2    | GY+2    | BN+2    | Light GR+2 | TQ+2     | PK+2     |
|            | fibre 1 | fibre 2 | fibre 3 | fibre 4 | fibre 5 | fibre 6 | fibre 7 | fibre 8 | fibre 9 | fibre 10   | fibre 11 | fibre 12 |
| fibres     | RD      | BU      | GN      | YE      | PU      | WT      | OR      | GY      | BN      | BK         | TQ       | PK       |



### STANDARDS

EN 187000  
IEC 60794

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## Eigenschaften

### Konstruktionsmerkmale

|                       |              |
|-----------------------|--------------|
| Fasertyp              | SM (G657.A2) |
| Armierung             | Glasgarn     |
| Außenmantel           | PE HD        |
| Mantelfarbe           | Black - UV   |
| Metallfrei            | Yes          |
| Zugentlastungselement | Embedded FRP |
| Leitungsaufbau        | Multibundle  |

### Abmessungsmerkmale

|                             |           |
|-----------------------------|-----------|
| Anzahl der Bündel           | 24        |
| Nettogewicht ca.            | 140 kg/km |
| Anzahl der optischen Fasern | 288       |
| Außendurchmesser, nom.      | 13.5 mm   |

### Mechanische Eigenschaften

|                                    |          |
|------------------------------------|----------|
| Zulässige Zugbelastbarkeit         | 300 daN  |
| Querdruckwiderstand (IEC 794-1-E3) | 250 N/cm |

### Anwendungsmerkmale

|  |             |
|--|-------------|
| Betriebstemperatur                         | -30...70 °C |
| Lagertemperatur, Bereich                   | -40...70 °C |
| Art der Installation                       | Rohranlagen |
| Umgebungstemperatur bei Verlegung, Bereich | 0...40 °C   |
| Biegefaktor bei Verlegung                  | 20 (xD)     |