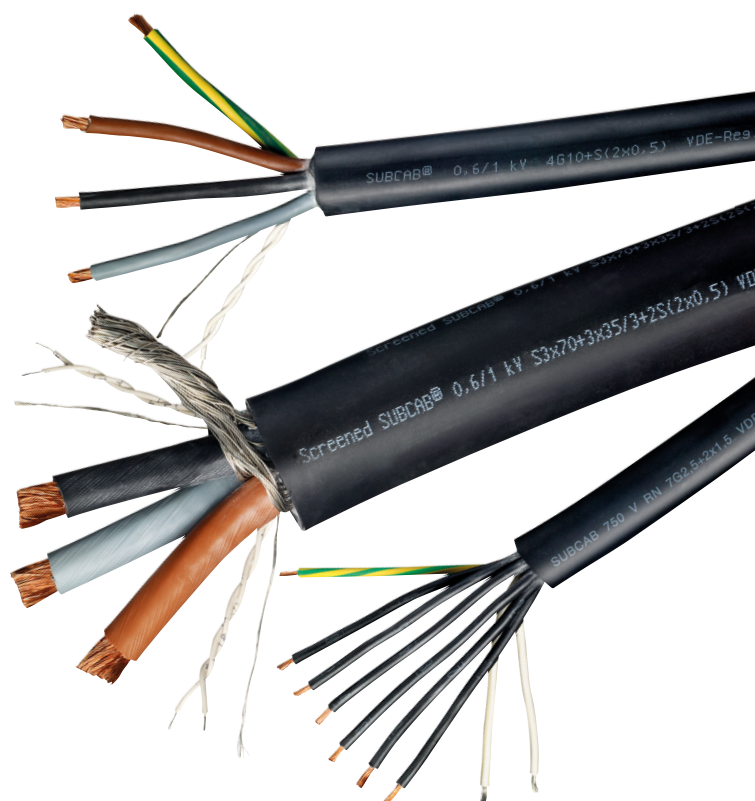




# SUBCAB<sup>®</sup> cables

OPTIMIZED FOR LONG-LIFE SUBMERSIBLE DUTY

- Long lifetime thanks to highly resistant materials
- Reliable leak-free fit
- Prevent insulation deterioration
- Built-in monitoring cores
- Screened versions for variable frequency drive (VFD) operation
- Approved for explosion-proof and mining applications



**FLYGT**  
a xylem brand

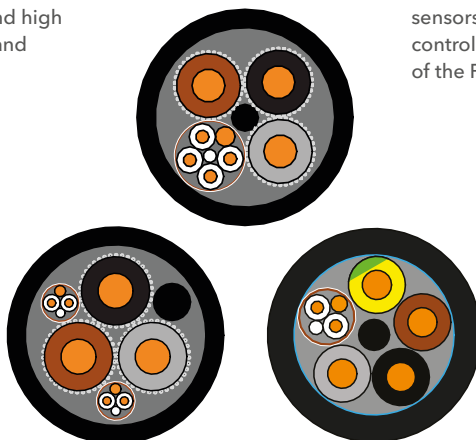
## SUBCAB® cables KEY FEATURES

### Highly resistant outer sheath

Ensure long cable lifetime thanks to extremely low water absorption rates, superior mechanical strength and high temperature, chemical, abrasion, tear, ozone, oil and flame resistance.

### Reliable leak-free fit

Tight outer diameter tolerances ensure a perfect fit with the cable entry sleeve. By retaining its mechanical and physical properties the cable withstands the high pressure of the seal sleeve.



### Built-in monitoring cores

Secure proper monitoring and easy connection of pump sensors without the need for auxiliary cables. Screened control cores have been specifically adapted for the use of the Flygt MAS 800 pump supervision system.

### High quality conductor insulation

Minimizes the risk of insulation cracks, thereby preventing insulation deterioration.

### Screened versions for variable frequency drive (VFD) applications

Ensure correct communication with supervision units. Reduce electromagnetic emissions to other electronics.

### Ex-approved

Approved for explosion-proof applications with Flygt pumps and mixers in accordance with FM (US) and INERIS (Europe) and for mining applications in accordance with DIN VDE 0207.

## Cable comparison

| Features                                        | Flygt SUBCAB cable                                                                                                       | Standard H07RN-F cable                           |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Expected lifetime                               | 4 times H07RN-F. Slow aging due to carefully selected high-quality materials.                                            |                                                  |
| Qualified for permanent use in water            | Yes, according to HD22.16 and VDE 0298-300 standards.                                                                    | No                                               |
| Tested for long-term sealing in Flygt pumps     | Yes. Cable tested at a water pressure of 5 bar and temperature of 70°C. Sealing specifically adapted to Flygt pumps.     | No                                               |
| Maximum outer sheath and insulation temperature | Resists 70°C at outer sheath, 90°C at insulation.                                                                        | Resists 40°C at outer sheath, 60°C at insulation |
| Extra heavy-duty cable for mining applications  | Yes, meets material standard 5GM5 for mining industries. Resistant to mechanical wear.                                   | No                                               |
| Weather resistant                               | Yes, tested for UV and ozone resistance.                                                                                 | No                                               |
| Integrated control cores                        | Yes, screened and unscreened. No separate control cable needed.                                                          | No                                               |
| Ex approval                                     | Yes, approved as explosion protected together with Flygt pumps and mixers in Europe (INERIS) and the US (FM and MSHA).   | No                                               |
| Electrical and materials approvals              | Yes. Europe (VDE), North America (CSA), China (CCC).                                                                     | No                                               |
| Screened versions for VFD and EMC applications  | Yes. The screened cable attenuates electromagnetic interference produced by the use of variable frequency drives (VFDs). | No                                               |

## SUBCAB product range

| SUBCAB range                       | 3-power cores (1-phase) | 4-power cores (3-phase)                                                    | 7-power cores (Y/D-start)                  |
|------------------------------------|-------------------------|----------------------------------------------------------------------------|--------------------------------------------|
| SUBCAB without control cores       | 3G1.5 - 3G2.5           | 4G1.5 - 4G6                                                                |                                            |
| SUBCAB with control cores          |                         | 4G1.5 + 2×1.5 to 4G6 + 2×1.5, 4G10 + S(2×0.5) to 3×120 + 2G70/2 + S(2×0.5) | 7G2.5 + 2×1.5, 7G4 + 2×1.5, 7G6 + S(2×0.5) |
| Screened SUBCAB with control cores |                         | S3×1.5 + 3×1.5/3 + S(2×0.5) to S6×95 + 95 + S(4×0.5)                       |                                            |