



SUBCAB® cables

Optimized for long life submersible duty



- Long lifetime
- Prevents insulation deterioration
- Ensures a reliable leak-free fit
- With built-in monitoring cores

- Screened versions for variable frequency drive (VFD) operation
- Complies with international standards
- Approved for explosion-proof and mining applications

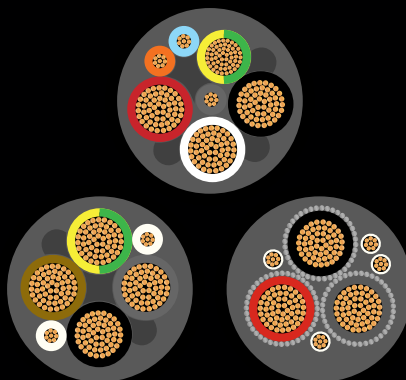
SUBCAB® features

With built-in monitoring cores

- » Secure proper monitoring and easy connection of pump sensors
- » Eliminate the use of small auxiliary cables that often get damaged and are awkward to handle

Long lifetime

- » Outer sheathing made of chlorinated polyethylene (CPE), type VDE/5GM5
- » High temperature resistance: Withstands water temperatures up to 70°C
- » Superior mechanical strength and high abrasion and tear resistance
- » Extremely low absorption rate: Withstands water depths up to 50 meters
- » Chemical resistance within pH 3–10
- » Ozone, oil and flame resistant



Prevents insulation deterioration

- » Insulation compound/inner sheath, made of ethylene propylene rubber (EPR/3GI3) with a temperature rating of 90°C, which minimizes the risk for insulation cracks

Screened versions for variable frequency drive (VFD) operation

- » Reduce electromagnetic emissions to other electronics
- » Comply with CE/EMC requirements
- » Secure correct communication with supervision units

Ensures a reliable leak-free fit

- » Tight outer diameter tolerances ensure a perfect fit with cable entry sleeve
- » Retains its mechanical and physical properties and withstands the high pressure of the seal sleeve

Complies with international standards

- » Outer sheathing complies with IEC, CSA, MSHA, FM and VDE standards for mechanical quality, oil and temperature resistance, and low absorption rate
- » Approved for explosion-proof applications with Flygt pumps and mixers in accordance with FM (US) and INERIS (Europe)
- » Approved for mining applications in accordance with VDE 0207

Cable comparison



Feature	Flygt SUBCAB® cable	Std. H07RN-F cable
Expected life time	4 times H07RNF	1
Qualified for permanent use in water (according to standard)	Yes	No
Tested and specially made for long term sealing	Yes	No
Approval according to VDE, CSA, FM, MSHA and CCC	Yes	No
Maximum sheath and insulation temperature	70° and 90°C	40° and 60°C
Overload accepted without affecting life time	20%	0%
Extra heavy duty cable for mining applications (5GM5)	Yes	No
Weather resistant tested cable	Yes	No
Ozone resistant	Yes	No
Integrated control cores	Yes	No
Ex approved together with pump	Yes	No
Screened versions for VFD and EMC applications	Yes	No

Range overview

SUBCAB range	3-power cores (1-phase)	4-power cores (3-phase)	7-power cores (YD-start)
SUBCAB without control cores	3G1.5 - 3G2.5	4G1.5 - 4G120	7G2.5
SUBCAB incl. control cores		4G1.5 + 2x1.5 - 4G35 + 2x1.5	7G2.5+2x1.5 - 7G6+2x1.5
Screened SUBCAB without control cores		S3x185+3x95/3	
Screened SUBCAB incl. control cores		S3x2.5 + 3x2,5/3 + 4x1.5 - S3x120 + 3x70/3 + 4x1.5	
SUBCAB AWG without control cores	14AWG/3	14AWG/4 - 8AWG/4	
SUBCAB AWG incl. control cores		10AWG/3-2-1-GC - 1AWG/3-2-1-GC	

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