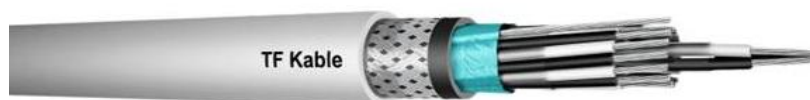


**RFOU (c) S2/S6 & RFOU (c) EMC 150/250(300)V  
EPR/EPR/TCWB/EVA**



**Flame retardant halogen-free instrumentation cable  
Mud resistant**



Picture is for information only.

**Applicable standards:**

- NEK TS 606 Code S2/S6, IEC 60092-376- Design guidelines
- IEC 60228 conductor
- IEC 60092-351 Insulating material, IEC 60092-359 Sheathing materials
- IEC 60332-1, IEC 60332-3-22 Flame retardant
- IEC 60754-1,2 Halogen free, IEC 61034-1,2 Low Smoke

CONSTRUCTION		
	Code Letter	
<b>Conductors</b>		Tinned annealed circular stranded copper according to IEC 60228 class 2
<b>Insulation</b>	<b>R</b>	EP rubber thermosetting compound ,IEC 60092-351 (EPR)
<b>Pair, Triple, Quad twisting</b>		Color coded cores twisted together and wrapped with polyester tape. Pairs/ Triples are laid up collectively and screened by copper backed polyester tape with tinned copper drain wire . Pairs/ triples are identified by numbers printed directly on the insulated conductors.
<b>Inner covering</b>	<b>F</b>	Flame retardand and halogen free thermosetting compound
<b>Armour/screen</b>	<b>O</b>	Poliester or Cu/PET tape & Tinned annealed copper wire braid
<b>For EMC cable</b>		Cu/PET tape under the braid
<b>Separator</b>		Separator, suitable tape between the braid and outer sheath
<b>Outer sheath</b>	<b>U</b>	Flame retardand, halogen free and mud resistant thermosetting compound SHF2 (IEC 60092-359)
<b>Colour of outer sheath</b>		Grey or Blue
<b>Standard marking</b>		E.g. TF KABLE 3 RFOU (c) 250V S2/S6 2 PAIR 0,75mm <sup>2</sup> IEC 60332-3-22 IEC 60092-376

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## FEATURES

- **Maximum conductor operating temperature:** +90°C
- **Maximum conductor temperature during short circuit:** +250°C
- **Lowest ambient temperature for fixed installation:** -40°C
- **Lowest installation temperature:** -15°C
- **Minimum bending radius:** 6 D  
D – overall diameter of cable
- **Flame retardant** IEC 60332-3-22 (Category A)
- **Smoke emission:** IEC 61034-2
- **Corrosive gas emission:** IEC 60754-1
- **Oil resistance:** IEC 60092-359 SHF2, IRM 902 (100°C/24h)
- **Mud resistance:** NEK 606 (SHF MUD, SHF2)

## APPLICATIONS

- Fixed installation for instrumentation ,communication, control and alarm system in both EX -and safe areas
- Meets the MUD resistance requirement in NEK TS 606
- **Marine** For fixed wiring installations on Oil and Gas Rigs, Shipboard and other marine applications requiring screened cable for EMC
- Other industrial applications

## APPROVAL

DNV GL Certificate No: E14151  
ABS 15-GD1364505-PDA

**Standard length cable packing** | 1000m on drums. Other forms of packing and delivery are available on request

**Flame retardant halogen-free instrumentation cable  
Mud resistant**

Size	Class of conductor	Insulation Thickness	Thickness of inner sheath	Diameter of braid wire	Thickness of outer sheath	Approximate overall diameter	Approximate net weight of cable
N x 2 x mm2		Inch	Inch	Inch	Inch	Inch	Lb/1000ft
2x2x0,75	2	0,024	0,043	0,008	0,047	0,449	125,645
4x2x0,75	2	0,024	0,043	0,012	0,051	0,626	226,430
8x2x0,75	2	0,024	0,043	0,012	0,059	0,760	333,262
12x2x0,75	2	0,024	0,055	0,012	0,059	0,902	460,252
16x2x0,75	2	0,024	0,075	0,012	0,063	1,043	604,038
19x2x0,75	2	0,024	0,075	0,012	0,067	1,114	683,322
24x2x0,75	2	0,024	0,083	0,012	0,071	1,232	827,109
2x3x0,75	2	0,024	0,043	0,012	0,051	0,606	205,601
4x3x0,75	2	0,024	0,043	0,012	0,051	0,669	270,776
8x3x0,75	2	0,024	0,043	0,012	0,063	0,858	429,344
12x3x0,75	2	0,024	0,055	0,012	0,063	1,004	590,600
16x3x0,75	2	0,024	0,083	0,012	0,067	1,177	794,858
24x3x0,75	2	0,024	0,098	0,016	0,079	1,429	1128,792
2x2x1,5	2	0,028	0,043	0,012	0,051	0,535	193,507
4x2x1,5	2	0,028	0,043	0,012	0,055	0,740	319,153
8x2x1,5	2	0,028	0,043	0,012	0,063	0,917	497,206
10x2x1,5	2	0,028	0,047	0,012	0,067	1,039	604,710
12x2x1,5	2	0,028	0,055	0,012	0,067	1,098	692,729
16x2x1,5	2	0,028	0,075	0,012	0,071	1,268	909,081
19x2x1,5	2	0,028	0,075	0,012	0,075	1,354	1036,742
24x2x1,5	2	0,028	0,091	0,012	0,083	1,539	1298,111
2x3x1,5	2	0,028	0,043	0,012	0,055	0,717	282,198
4x3x1,5	2	0,028	0,043	0,012	0,055	0,799	393,062
8x3x1,5	2	0,028	0,043	0,012	0,067	1,043	655,103
12x3x1,5	2	0,028	0,055	0,012	0,071	1,224	911,768
16x3x1,5	2	0,028	0,083	0,016	0,075	1,445	1216,139
24x3x1,5	2	0,028	0,098	0,016	0,087	1,736	1742,237
2x2x2,5	2	0,028	0,043	0,012	0,055	0,583	240,540
4x2x2,5	2	0,028	0,043	0,012	0,055	0,811	399,109
8x2x2,5	2	0,028	0,083	0,012	0,071	1,106	745,809
12x2x2,5	2	0,028	0,083	0,012	0,071	1,276	980,974



**Flame retardant halogen-free instrumentation cable  
Mud resistant**

Without approvals

Size	Class of conductor	Insulation Thickness	Thickness of inner sheath	Diameter of braid wire	Thickness of outer sheath	Approximate overall diameter	Approximate net weight of cable
N x 2 x mm2		Inch	Inch	Inch	Inch	Inch	Lb/1000ft
6x2x0,75	2	0,024	0,039	0,012	0,055	0,736	298,996
10x2x0,75	2	0,024	0,039	0,012	0,059	0,906	414,562
1x2x1	2	0,024	0,039	0,008	0,043	0,465	133,708
2x2x1	2	0,024	0,039	0,012	0,051	0,693	254,650
4x2x1	2	0,024	0,039	0,012	0,055	0,791	325,200
6x2x1	2	0,024	0,039	0,012	0,055	0,772	329,231
12x2x1	2	0,024	0,039	0,012	0,063	0,988	520,723
3x2x1,5	2	0,028	0,039	0,012	0,051	0,693	274,135
5x2x1,5	2	0,028	0,039	0,012	0,055	0,815	370,889
6x3x1,5	2	0,028	0,039	0,012	0,063	0,976	539,536
20x2x1,5	2	0,028	0,039	0,012	0,075	1,394	993,740
16x2x2,5	2	0,028	0,039	0,012	0,075	1,409	1107,291
24x2x2,5	2	0,028	0,047	0,016	0,087	1,776	1677,062
4x3x2,5	2	0,028	0,039	0,012	0,059	0,913	511,316
16x3x2,5	2	0,028	0,047	0,016	0,083	1,610	1594,419

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