

# *Ex Industries*

## **Fire Resistant Braided Instrumentation Cables to NEK 606 Individual Screen BFOU (i) 250V MGT/EPR/EPR/TCWB/EVA**

Halogen-free, NEK 606 Type: S3  
Mud resistant, NEK 606 S7

### **APPLICATION**

Fixed installations for instrumentation, communication, control, alarm, emergency and critical systems in both EX and safe areas. Mud resistant in accordance with NEK 606

### **Specifications**

- In accordance with NEK 606.
- **Conductor:** Tinned stranded copper
- **Insulation:** Mica-tape / EP-rubber.
- **Core Identification:** Black-Light Blue, Black-Light Blue-Brown
- **Screening:** Copper (or aluminum) backed polyester tape with tinned copper drain wire. Each pair/triple is wrapped with polyester tape to prevent electrical contact with adjacent pairs/triples. Pairs/triples are identified by printed numbers
- **Bedding:** Flame retardant halogen-free thermoplastic compound
- **Aarmor:** Tinned copper wire braid
- **Outer Sheath:** Flame retardant halogen-free and mud resistant thermoset compound, SHF2
- Flame retardant to IEC60332-3-22
- Flame resistant to IEC60331
- **Temp. Rating:** 85 degrees C max conductor operation temperature.
- **Voltage Rating:** 150/250V.

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Nom Cond. Area mmsq	No. of Pairs / Triples	Dia. Over Inner Sheath		Min OD mm	Max OD mm	Approx Weight Kg/km
		Min	Max			
1.5	1P	8.2	10.2	12	14	250
1.5	2P	12.7	13.7	17.5	19.5	510
1.5	4P	15.7	17.7	19.5	22.5	690
1.5	8P	20.7	23.7	26	29	1230
1.5	12P	24.7	27.7	30	34	1670
1.5	16P	28.2	32.2	34	38	2100
1.5	24P	34.7	36.2	41.5	46.5	3020
1.5	1TR	8.7	10.7	11.5	13.5	300
1.5	2TR	13.7	15.7	18.5	20.5	570
1.5	8TR	22.8	25.2	27.5	30.5	1080
1.5	12TR	27.7	32.7	33.5	37.5	2150

Other sizes available on request.

**Core Identification:**

Pairs - Black - Light Blue

Triples - Black - Light Blue - Brown

**Notes:**

All dimensions must be verified at time of ordering.

Other sizes available upon request.

Minimum quantities may be required.