

**DATA SHEET Type : FR2 (8X1,5) + (1G2,5) + 4X(3X2,5sch)OHR 0,6/1Kv**

**Eight conductors 1,5sqmm :**

Conductor : Flexible plain copper conductor according to IEC60228 cl. 5  
size 1,5sqmm ( 28x0,25 ).  
Res. 13,3ohm/Km

Insulation : Polyvinylchloride PVC flame retardant color :  
Black numbered  
Conductor diameter over insulation 3,0mm

**One conductor 2,5sqmm :**

Conductor : Flexible plain copper conductor according to IEC60228 cl. 5  
size 2,5sqmm ( 48x0,25 ).  
Res. 7,98ohm/Km

Insulation : Polyvinylchloride PVC flame retardant color :  
Y/G  
Conductor diameter over insulation 3,5mm

**Four triad 2,5sqmm Individual screen :**

Conductor : Flexible plain copper conductor according to IEC60228 cl. 5  
size 2,5sqmm ( 48x0,25 ).  
Res. 7,98ohm/Km

Insulation : Polyvinylchloride PVC flame retardant color :  
Triad n° 1 Blue – Brown - Black numbered 1  
Triad n° 2 Blue – Brown - Black numbered 2  
Triad n° 3 Blue – Brown - Black numbered 3  
Triad n° 4 Blue – Brown - Black numbered 4  
Conductor diameter over insulation 3,6mm

Conductor lay : The conductors are twisted to triad with individual screen

Individual screen : Applied over the single triad will be wrapped with polyester tape and shielded with Aluminum/Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm, over the screen will be placed a further Mylar tape.

**Total conductors lay :**

- Composition : The eight conductors 1,5sqmm will be laid together with the Y/G core 2,5sqmm and the four triad 2,5sqmm  
The external shape will be cylindrical.
- Total screen : Over the rope will be wrapped with Mylar tape and shielded with Aluminum/Mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm
- Outer sheath : Polyvinylchloride PVC flame retardant  
Thickness 2 mm  
External diameter 23,6mm  
External color Black
- Marking : On the outer sheath will be written with yellow ink-jet printer  
“ year SENSITHERM description cable “
- Performance : Flame retardant according to IEC60332.3  
Test voltage core to core 3 Kv  
Working temperature -15 +70°C  
Total weight 960Kg/Km  
Minimum bending radius 240mm