

**DATA SHEET Type : FR2 ( 3G1,5 ) + ( 25X0,75 ) OHR 300/500V**

**One triad 1,5sqmm Individual screen :**

- 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 Blue – Brown – Y/G  
Conductor diameter over insulation 2,70mm
- 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.

**Twenty five conductors 0,75sqmm :**

- Conductor : Flexible plain copper conductor according to IEC60228 cl. 5  
size 0,75sqmm ( 24x0,20 ).  
Res. 26ohm/Km
- Insulation : Polyvinylchloride PVC flame retardant color :  
Black numbered  
Conductor diameter over insulation 2,3mm

**Total conductors lay :**

- Composition : One triad 1,5sqmm will be laid together with twenty five cores 0,75sqmm  
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 1,8 mm  
External diameter 19,8mm +/- 10%  
External color Black ( or to be agreed )
- Marking : On the outer sheath will be written with white ink-jet printer  
“ year SENSITHERM description cable “
- Performance : Flame retardant according to IEC60332.3-24  
Test voltage core to core 2 Kv  
Working temperature -15 +70°C  
Total weight 600Kg/Km  
Minimum bending radius 180mm