

**DATA SHEET Type : FR2 ( 3X1,5 + 2X0,75 ) OHR 300/500V**

**One triad 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 Blue – Brown – Black  
Conductor diameter over insulation 2,7mm

**One pair 0,75sqmm :**

Conductor : Flexible plain copper conductor according to IEC60228 cl. 5  
size 0,5sqmm ( 24x0,20 ).  
Res. 26ohm/Km

Insulation : Polyvinylchloride PVC flame retardant color White - Red  
Conductor diameter over insulation 2,4mm

**Total conductors lay :**

Composition : The triad and the couple will be laid together

Total screen : Over the core will be wrapped with Mylar tape and shielded with Aluminum tape  
100% coverage and 25% overlap with metal side outside in contact with a tinned  
copper drain wire 7x0,30 size 0,5sqmm.

Outer sheath : Polyvinylchloride PVC flame retardant  
Thickness 1,4 mm  
External diameter 10,8mm +/- 10%  
External color Grey ( or to be agreed )

Marking : On the outer sheath will be written with white ink-jet printer

Performance :  
Flame retardant according to IEC60332.3-24  
Test voltage core to core 2,0 Kv  
Working temperature -15 +70°C  
Total weight 180Kg/Km  
Minimum bending radius 90mm  
Cap.  $\leq 0,20\text{microF/Km}$   
Ind.  $\leq 0,9\text{mH/Km}$   
Hydrocarbon resistant as per ENI0181