



### RFOU VFD 0,6/1 kV

Halogen Free, Flame Retardant, Low Smoke,  
VFD Type, (optional Mud Resistant)

#### Application

For use in variable frequency AC motor drive (VFD) applications.

#### Applicable standards

NEK TS 606: 2009  
IEC 60092-353 : Design  
IEC 60332-3-22 Cat A : Flame Retardant  
IEC 60754-1&2 : Halogen Free Properties  
IEC 61034-1&2 : Low Smoke Properties

#### Operational Climatic Conditions

Ambient Temperature Range :-15 °C to +90 °C (Standard)  
Cold endurance test :-40 °C (Abnormal Low temperature cables only)

Construction	Code Letter	Construction Details
Conductor		Plain or tinned annealed stranded circular copper, IEC 60228, class 2 or class 5
Earthing Conductors		Plain or tinned annealed stranded circular copper, IEC 60228, class 2 or class 5
Insulation		Hard grade Ethylene Propylene Rubber (HEPR)
Filler		Flame retardant and halogen-free compound
Screen		Metal coated polyester tape + tinned or bare copper wire braid
Inner sheath		Flame retardant and halogen-free compound
Armour		Tinned or bare copper wire braid
Outer sheath		Flame retardant, halogen-free thermoset compound, SHF2 (Optional SHF MUD)
Color		Black (standard) and customer requirement

Number of Cores Cross Section	Max. Conductor Resistance	Nominal Cable Weight	Nominal Cable Inner Diameter	Nominal Cable Diameter	Maximum Current Carrying Capacity
mm <sup>2</sup>	( $\Omega$ /km)	(kg/km)	(mm)	(mm)	(A)
3 x 25	0,734	1490	21,6	28,9	71
3 x 35	0,529	1820	24,0	31,6	88
3 x 50	0,391	2510	26,7	35,0	110
3 x 70	0,27	3590	31,1	39,8	135
3 x 95	0,195	4610	34,8	43,9	164
3 x 120	0,154	5790	39,7	49,0	190
3 x 150	0,126	7320	43,8	53,7	218
3 x 185	0,100	8610	48,9	59,4	249