



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: 2022		IEC 60332-1-2	: Flame Retardancy
IEC 60092-353	: Design	UV Resistance	: Up to 0,308 GW.s/m ²
IEC 60332-3-22 Cat A	: Flame Propagation	Color Fastness	: BLUE WOOL SCALE 8
IEC 60754-1&2	: Halogen Free Properties		
IEC 61034-1&2	: Low Smoke Properties		

Operational Climatic Conditions

Ambient Temperature Range	: -25 °C to + 90 °C (Standart)
Cold endurance test	: -40 °C (Abnormal Low temperature cables only)

Construction	Code Letter	Construction Details
Conductor		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		Ethylene Propylene Rubber (EPR)
Filler		Flame retardant and halogen-free compound
Screen		Metal coated polyester tape + tinned or bare copper wire braid
Outer sheath		Flame retardant, halogen-free thermoset compound, SHF2 (Optional SHF MUD)
Color		Black (standard) and customer requirement

Cross-section	Weight (approx.)	Inner Diameter (approx.)	Outer Diameter (approx.)	MCDR at 20 °C	MCCC CT at 90 °C AT at 45 °C
mm ²	(kg/km)	(mm)	(mm)	(Ω/km)	(A)
3 x 25 + 3G6	1483	20,6	25,5	0,795 / 3,39	88
3 x 35 + 3G6	1911	23,3	28,4	0,565 / 3,39	109
3 x 50 + 3G10	2665	27,6	33,3	0,393 / 1,95	137
3 x 70 + 3G16	3568	31,0	37,2	0,277 / 1,24	169
3 x 95 + 3G16	4518	35,3	42,0	0,21 / 1,24	204
3 x 120 + 3G25	5628	39,0	45,9	0,164 / 0,795	237
3 x 150 + 3G25	6837	43,5	50,7	0,132 / 0,795	272
3 x 185 + 3G35	8184	47,3	55,0	0,108 / 0,565	310

MCCC : Maximum Current Carrying Capacity
 CT : Conductor Temperature
 AT : Ambient Temperature
 MCDR : Max. Conductor DC Resistance