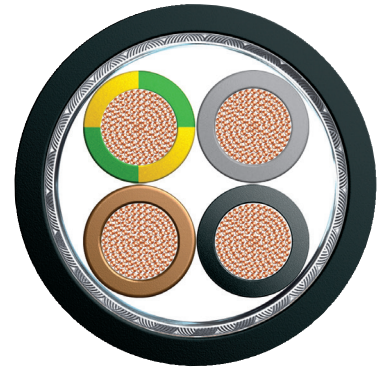




4 core EMC VFD Cable

Flexible EMC LSZH screened for Variable Frequency Drives (VFD cables)



Application

Used in frequency converter controlled motors for control and/or power purposes, and suitable for use in dry, moist or wet environments in heavy industries.

HFFR types are less flammable in case of fire, mostly self-extinguishing, have low smoke density and they do not emit poisonous and corrosive gasses during a fire.

Cable Design

Conductor	Stranded Annealed Copper (IEC/EN 60228, Class 5)
Insulation	XLPE (Cross-Linked Polyethylene) Identification - HD 308 S2
Lay-up	4 cores twisted together
Separator	Al-PET Foil
Screen	Tinned Copper Wire Braid
Outer Jacket	Halogen Free Flame Retardant Compound (LSZH) RAL 9005 - Black

Technical Properties

Operating Voltage	0.6/1 kV
Test Voltage	3.5 kV
Temperature Range	Operating: -30°C...+90°C, Installation: -10°C...+90°C
Smoke Density	IEC 61034-1/2
Corrosive Gases Measurement	IEC 60754-1/2
Min. Bending Radius	10 x Cable Diameter
Flame Retardancy	IEC 60332-1-2, IEC 60332-3-24
CPR Classification	Dca,s1a,d2,a1
Conductor Resistance	IEC/EN 60228





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Specification

Part Number	Configuration / Cross-Section	Cable Diameter	Conductor Resistance	Ampacity in Air (30 °C)	Ampacity in Ground (20 °C)	Mutual capacitance core/core approx.	Mutual capacitance core/screen approx.	Coupling resistance at 30 MHz	Cable Weight approx.
	(mm ²)	(mm) (± 10%)	(Ohm/km)	(A)	(A)	(pF/m)	(pF/m)	(Ohm/km)	(kg / km)
401501D	4x1.5	11,3	13,3	23	31	70	110	-	169
402501D	4x2.5	12,3	7,98	32	40	80	130	210	216
404001D	4x4	13,7	4,95	42	52	90	150	210	286
406001D	4x6	15,1	3,3	54	86	90	150	150	373
410001D	4x10	17,3	1,91	74	86	120	200	180	545
416001D	4x16	19,8	1,21	98	112	120	210	190	778
425001D	4x25	24,1	0,78	127	145	140	230	95	1158
435001D	4x35	26,3	0,554	158	174	150	260	85	1542
450001D	4x50	30,3	0,386	192	206	190	320	40	2132
470001D	4x70	35,4	0,272	246	254	190	320	45	2945
495001D	4x95	41,1	0,206	298	305	250	410	50	3826
412001D	4x120	45,3	0,161	346	348	270	430	-	4974
415001D	4x150	52,1	0,129	399	392	280	450	-	6162
418501D	4x185	56,4	0,106	456	442	290	470	-	7710
424001D	4x240	68,1	0,0801	538	509	-	-	-	9755

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