

VCVH6-F Shielded Festoon



VCVH6-F is a flexible, 300/500 volt, shielded PVC flat festoon power and control cable. Mainly used as a trailing cable for crane installations, floor conveyor systems, shelf control units and as moving machine parts. The flat construction allows cables to be stacked for applications where space is at a minimum and require smaller bending radius over that of round cables. Suitable for installations in dry and damp rooms. The tinned copper braid covers individual cores or bunches of cores making **VCVH6-F** ideally suited for use where considerable demands are made on electromagnetic compatibility (EMC). The outer PVC jacket is extensively resistant to oil, fat, acid and lye.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special PVC core insulation
- Color code VDE-0293-308 with ground
- Plastic foil separator over cores
- Tinned copper braid over singles or bunches
- Cores laying parallel
- PVC outer jacket - black (RAL 9005)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 3000 volts
- Flexing bending radius: 15 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- VDE-0283 Part-2, 0250 & 0281
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

** "OZ" denotes no ground wire **

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm²				
7012005	5	0.134" x 0.827" / 3.4 x 21.0mm	42	101
7012020 (5 x 4 cores)	20	0.283" x 1.472" / 7.2 x 37.4mm	89	295
7012028 (7 x 4 cores)	28	0.405" x 1.968" / 10.3 x 50.0mm	149	503
7012056 (8 x 7 cores)	56	0.460" x 2.701" / 11.7 x 68.6mm	305	791
7012056A (14 x 4 cores)	56	0.405" x 3.937" / 10.3 x 100.0mm	298	999
17 AWG (32/32) 1,00mm²				
7011704 OZ	4	0.197" x 0.547" / 5.0 x 13.9mm	38	87
7011716 (4 x 4 cores)	16	0.433" x 1.318" / 11.0 x 33.5mm	211	423
7011721 (7 x 3 cores)	21	0.406" x 1.968" / 10.3 x 50.0mm	184	510
7011742 (14 x 3 cores)	42	0.406" x 3.937" / 10.3 x 100.0mm	370	1013
16 AWG (30/30) 1,50mm²				
7011604 OZ	4	0.228" x 0.740" / 5.8 x 18.8mm	61	141
7011608 OZ	8	0.228" x 1.398" / 5.8 x 35.5mm	127	268
7011612 OZ	12	0.236" x 1.968" / 6.0 x 50.0mm	221	409
14 AWG (50/30) 2,50mm²				
7011404	4	0.272" x 0.827" / 6.9 x 21.0mm	113	181
7011406	6	0.272" x 1.401" / 6.9 x 35.6mm	161	215
12 AWG (56/28) 4,00mm²				
7011204	4	0.299" x 0.961" / 7.6 x 24.4mm	140	268
10 AWG (84/28) 6,00mm²				
7011004	4	0.358" x 1.157" / 9.1 x 29.4mm	218	349
8 AWG (80/26) 10,0mm²				
7010804	4	0.413" x 1.409" / 10.5 x 35.8mm	347	563
6 AWG (128/26) 16,0mm²				
7010604	4	0.496" x 1.626" / 12.6 x 41.3mm	529	836
4 AWG (200/26) 25,0mm²				
7010404	4	0.567" x 1.906" / 14.4 x 48.4mm	785	1194