

Lift and Festoon Cables

H07VVH6-F

PVC flat festoon power and control cable, 450/750V



SKES · D-VIERSEN · <VDE> <HAR> H07VVH6-F 12G1.5 mm² CE



Marking for PVC Flat cable 2491215:

SAB BRÖCKSKES · D-VIERSEN · <VDE> <HAR> H07VVH6-F 12G1.5 mm² CE

Application: H07VVH6-F is a flexible, flame retardant, PVC festoon power and control cable designed for use on overhead crane and material handling systems. The flat construction allows cables to be stacked for applications where space is limited.

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, VDE 0295, class 5 |
| Insulation: | PVC |
| Color code: | colored acc. to HD 308 (VDE 0293-308), see page O/26 from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground |
| Stranding: | conductors parallel side by side in groups |
| Jacket material: | PVC |
| Jacket color: | black (RAL 9005) |

Technical data:

| | |
|---------------------------------------|--|
| Nominal voltage: | U _o /U 450/750 V |
| Min. bending radius: | 10 x height |
| Temperature range: | |
| <i>static:</i> | -40/+70°C |
| <i>flexible:</i> | 0/+70°C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 |
| Oil resistance: | acc. to internal standard, see page O/29 |
| Approvals: | VDE, HAR, CE, EAC, RoHS |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page O/30 |

Outstanding features:



smaller bending radius in contrast to round cables

| item no. | no. of conductors incl. ground | dimension | | cable weight ≈ lbs/mft |
|--|--------------------------------|---------------------|-------------------|------------------------|
| | | width x height inch | width x height mm | |
| ▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm² | | | | |
| 2490415 | 4 | 0.602 x 0.205 | 15.3 x 5.2 | 97 |
| 2490715 | 7 | 1.008 x 0.205 | 25.6 x 5.2 | 168 |
| 2490815 | 8 | 1.126 x 0.205 | 28.6 x 5.2 | 190 |
| 2491215 | 12 | 1.650 x 0.205 | 41.9 x 5.2 | 283 |
| ▶ 14 AWG (≈ 46/30) ▪ 2.50 mm² | | | | |
| 2490425 | 4 | 0.720 x 0.228 | 18.3 x 5.8 | 138 |
| 2491225 | 12 | 1.996 x 0.228 | 50.7 x 5.8 | 406 |
| ▶ 12 AWG (≈ 52/28) ▪ 4.00 mm² | | | | |
| 2491240 | 12 | 2.260 x 0.268 | 57.4 x 6.8 | 576 |
| ▶ 10 AWG (≈ 78/28) ▪ 6.00 mm² | | | | |
| 2490460 | 4 | 0.894 x 0.287 | 22.7 x 7.3 | 253 |
| 2490560 | 5 | 1.083 x 0.287 | 27.5 x 7.3 | 295 |
| ▶ 8 AWG (≈ 77/26) ▪ 10.00 mm² | | | | |
| 2490570 | 5 | 1.406 x 0.366 | 35.7 x 9.3 | 542 |
| ▶ 4 AWG (≈ 190/26) ▪ 25.00 mm² | | | | |
| 2490490 | 4 | 1.673 x 0.508 | 42.5 x 12.9 | 945 |

Other dimensions and colors are available on request



Application example: in elevators up to 35 m freely suspended or in fitted vehicles for cranes and hoisting systems with one level bending