

PRODUCT INFORMATION

PowerAmp Cables & Accessories

FROM
Incore-Cables B.V.



incore cables
not just cables

Incore-Cables BV The Netherlands

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PowerAmp-A Cables

450/750V

PowerAmp-A
450/750V
Generally
in accordance with:
HD 22-4
IEC 60245
BS 6007



CONSTRUCTION

- | | |
|------------------|---|
| (1) Conductor | Highly flexible stranded aluminium
(wire diameter according to IEC 60228, class 5) |
| (2) Insulation | EPR compound |
| (3) Outer sheath | CSP rubber compound, heavy duty |

APPLICATION

Used for industrial, mobile and submersible devices, viz. all applications requiring a flexible cable in dry or wet areas. Often used for mobile electrical tools and equipment.

PROPERTIES

Resistant to Water, UV*, Grease and Ozon
Heat, Oil and Flame retardant

CORE IDENTIFICATION	Insulation	White
	Outer sheath	Black

MARKING Example: "PowerAmp-A 1x185 mm² 450/750V year"

* Black outer sheath is recommended for areas with extreme high UV-radiation.

We reserve the right to alter this specification without notice (rev4).



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MECHANICAL DATA

PowerAmp-A 450/750V CABLE

Order articlecode	No. of cores and conductor mm ²	Diameter over conductor nominal ± mm	Diameter over sheath nominal ± mm	Overall no. cable weight ± kg/km	M.C.C.R. single phase in air ampere	M.C.C.R. parallel in air ampere	Voltage drop single phase V/A/km
ME98A01C010EAKBK3	1 x 10	5,0	11,1	155	91	82	3,95
ME98A01C016EAKBK3	1 x 16	5,8	12,1	189	120	108	2,46
ME98A01C025EAKBK3	1 x 25	7,1	14,1	256	165	150	1,55
ME98A01C035EAKBK3	1 x 35	9,0	16,4	334	206	188	1,12
ME98A01C050EAKBK3	1 x 50	10,8	18,9	446	251	231	0,84
ME98A01C070EAKBK3	1 x 70	12,8	21,4	570	317	292	0,59
ME98A01C095EAKBK3	1 x 95	14,2	23,5	709	383	355	0,44
ME98A01C120EAKBK3	1 x 120	16,0	25,7	851	445	414	0,36
ME98A01C150EAKBK3	1 x 150	18,4	29,0	1050	513	479	0,31
ME98A01C185EAKBK3	1 x 185	19,0	30,4	1245	570	540	0,27
ME98A01C240EAKBK3	1 x 240	22,7	34,7	1544	700	658	0,22
ME98A01C300EAKBK3	1 x 300	25,5	38,1	1872	812	764	0,20
ME98A01C400EAKBK3	1 x 400	29,5	42,8	2371	926	874	0,19
ME98A01C500EAKBK3	1 x 500	32,6	46,7	2843	1043	1023	0,17

M.C.C.R. Maximum Continuous Current Rating in air at 30°C
Parallel laid with a distance from cable axis to cable axis of 2 x diameter

INSTALLATION RECOMMENDATIONS:

Maximum Continuous Conductor temperature : + 90°C
 Minimum Cable Operating temperature (static) : - 40°C
 Maximum Cable Operating temperature (dynamic) : - 20°C
 Maximum Cable Operating temperature : + 90°C
 Maximum Short Circuit Conductor temperature : +250°C

Operating voltage : 450/750V
 Also suitable for 0,6/1kV operation, considering relevant national standards

Minimum bending radius during installation (dynamic) : 8 x outer diameter
 Minimum bending radius continuously (installed) : 6 x outer diameter

We recommend to use bi-metal lugs in combination with a glued shrink sleeve to avoid increase of moisture.
 To improve the contact and decrease the contact/transition resistance, use of conductive grease is recommended (Similar to preparation of copper cables with copper lugs).



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