

Similar design to
FAA L824 - TYPE B (600v)



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Separator	A suitable tape may be applied over the conductor
Insulation	EI4 type rubber (EPR) compound
Core Identification	Acc. to HD 308
Inner Sheath	EM2 or EM3 type elastomeric rubber compound (if outer sheath thickness is greater than 2.4 mm)
Outer Sheath	EM2 type elastomeric rubber compound
Color	Black (other colors on request)

STANDARDS & MAIN CHARACTERISTICS

Construction	EN 50525-2-21, DIN VDE 0282-4, BS 6500 BS 7919, IEC 60245-4
General Requirements	EN 50525-1, HD 22.1, DN VDE 0282-1, IEC 60245-1
Guide to Use	HD 516, DIN VDE 0298-300
Electrical Tests	EN 50395, IEC 60245-2
Non - Electrical Tests	EN 50396, IEC 60245-2
Conductor Resistance	EN / IEC 60228, HD 383, DIN VDE 0295, BS 6360
Working Temperature	
In Mobile Use	-25°C / +60°C
in Fixed Use	-35°C / +90°C
Conductor Short - Circuit Temp.	Max. 200°C
Temp. on Cable Surface	Max. +50°C
Min. Installation Temp.	-25°C
Min. Bending Radius	EN 50565-1 Table.3
Max. Tensile Load	15 N / mm ²
Current Carrying Capacities	IEC 60 364-5-52, VDE 0298-4, EN 50565-1
Flame Retardant	IEC 60332-1-2, DIN VDE 0482-332-1-2
Oil Resistant	EN 50363-2-1, IEC 60811-404

It's allowed up to 1.000 V AC or DC using for fixed and protected installations.

Construction	Cross Section	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Max Resistance of Conductors at 20°C (ohm / km)	Current Carrying Capacity for fixed usage (A)
BCL5 / EI4 / EM2	1x2,5 mm ²	6,4	65	7,98	33
BCL5 / EI4 / EM2	1x4 mm ²	7,3	90	4,95	45
BCL5 / EI4 / EM2	1x6 mm ²	8,1	115	3,30	58
BCL5 / EI4 / EM2	2x2,5 mm ²	10,6	165	7,98	36
BCL5 / EI4 / EM2	2x4 mm ²	12,2	230	4,95	49
BCL5 / EI4 / EM2	2x6 mm ²	13,6	300	3,30	63

Notes for current carrying capacities:

Current carrying capacities are according to in open air, with adequate ventilation and ambient temperature of 30 °C

For fixed installation :

Based on IEC 60364-5-52 : 2009 Table B.52.1 and Table B.52.12

- Referred to
- Reference installation method F for Single cores and three loaded cores in trefoil installation.
 - Reference installation method E for Multi cores for 2 core cables; two cores loaded and for 3-4-5 core cables; three cores loaded
 - Reference installation method E for Multi cores for 6 cores and above; All cores loaded except green / yellow (earth) core
 - Correction factors for ambient temperature according to Table B.52.14
 - The current ratings are based on conductor operating temperature of 90 °C

Temperature correction factors

Ambient air temperature °C	30	35	40	45	50	55
Correction factor	1,00	0,96	0,91	0,87	0,82	0,76