

Heavy Duty V75 Flexible Cord 0.6/1kV Cable



Eland Product Group: AS0

APPLICATION

Heavy Duty flexible cords for installation in switchboards and control panels especially in tight routes and confined spaces, and where flexibility is needed for hinged panels. Suitable for small industrial and commercial equipment requiring three-phase power. Can be used for extension leads in sizes 1mm² and above. 3 core and above include earth core for three-phase/single phase supply such as equipment with three-phase motor and single phase pilot lights like industrial sweepers, vacuum cleaners and welders. Also suitable for use with double insulated appliances where the cord is subject to higher mechanical stress, in damp and wet conditions.

CHARACTERISTICS

Rated Voltage Uo/U
0.6/1kV

Temperature Rating
Maximum continuous operating temperature: 75°C

Minimum Bending Radius
Flexed: 6x overall diameter

CONSTRUCTION

Conductor
Annealed copper conductor

Insulation
V-75 PVC (Polyvinyl chloride)

Sheath
4V-75 PVC (Polyvinyl chloride)

Sheath Colour
● Black, ● Orange

Core Identification
1 Core (choice) ● Red, ○ White, ● Light Blue, ● Black
2 Cores: ● Brown, ● Light Blue
3 Cores: ● Brown, ● Light Blue, ● Green/Yellow
4 Cores: ● Brown, ● Light Blue, ○ White, ● Green/Yellow
5 Cores: ● Brown, ● Light Blue ○ White ● Orange ● Green/Yellow

STANDARDS

AS/NZS 5000.1, AS/NZS 3191, AS/NZS 1125

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO.OF CORES	NOMINAL CONDUCTOR SIZE mm	NOMINAL INSULATION THICKNESS mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/100m
Round without sheath						
AS05S0100005**	1	0.5	0.8	-	2.6	1.1
AS05S0100075**	1	0.75	0.8	-	2.8	1.4
AS05S010010**	1	1.0	0.8	-	2.9	1.6
AS05S010015**	1	1.5	0.8	-	3.2	2.1
AS05S010025**	1	2.5	0.9	-	3.9	3.3
AS05S010040**	1	4	1.0	-	4.7	5.5
Round						
AS05R0100075**	1	0.75	0.8	1.3	5.4	3.8
AS05R010010**	1	1.0	0.8	1.3	5.6	4.2
AS05R010015**	1	1.5	0.8	1.4	6.1	5.2
AS05R010025**	1	2.5	0.9	1.4	6.8	6.9
AS05R010040**	1	4	1.0	1.5	7.7	9.4
AS05R0200075**	2	0.75	0.8	1.3	8.2	8.4
AS05R020010**	2	1.0	0.8	1.3	8.6	9.3
AS05R020015**	2	1.5	0.8	1.5	9.5	12
AS05R020025**	2	2.5	0.9	1.7	11.2	17
AS05R020040**	2	4	1.0	1.8	13	25
AS05R0300075**	3	0.75	0.8	1.4	8.8	10
AS05R030010**	3	1.0	0.8	1.4	9.2	11
AS05R030015**	3	1.5	0.8	1.6	10.2	15
AS05R030025**	3	2.5	0.9	1.8	12.1	21
AS05R030040**	3	4	1.0	1.9	13.9	30
AS05R030060**	3	6	1.0	2.9	16.0	44
AS05R03010**	3	10	1.0	3.1	20.5	69
AS05R03016**	3	16	1.0	3.3	24.1	90
AS05R03025**	3	25	1.2	3.7	29.4	140
AS05R03035**	3	35	1.2	4.0	32.5	181
AS05R03050**	3	50	1.4	4.4	37.7	241
AS05R0400075**	4	0.75	0.8	1.5	9.8	12
AS05R040010**	4	1.0	0.8	1.5	10.2	14
AS05R040015**	4	1.5	0.8	1.7	11.3	18
AS05R040025**	4	2.5	0.9	1.9	13.3	26
AS05R040040**	4	4	1.0	2.0	15.4	38
AS05R040060**	4	6	1.0	3.0	17.6	54
AS05R04010*	4	10	1.0	3.3	22.6	85
AS05R04016**	4	16	1.0	3.5	26.1	122
AS05R04025**	4	25	1.2	3.9	32.0	191
AS05R04035**	4	35	1.2	4.2	35.3	246
AS05R04050**	4	50	1.4	4.7	41.2	332
AS05R04070**	4	70	1.4	5.1	48.3	460
AS05R04095**	4	95	1.6	5.7	53.3	577
AS0504120**	4	120	1.6	6.1	60.0	731
AS050500075**	5	0.75	0.8	1.6	10.8	15
AS05050010**	5	1.0	0.8	1.6	11.2	17
AS05050015**	5	1.5	0.8	1.8	12.4	21
AS05050025**	5	2.5	0.9	2.0	14.6	30
AS05050040**	5	4	1.0	2.2	17.1	46

* Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below. e.g. AS050200005BK = 2 core Round 0.5mm² Black



COLOUR CODES

COLOUR	Orange	Black
CODE	OR	BK

ELECTRICAL CHARACTERISTICS

NOMINAL CONDUCTOR SIZE mm	CURRENT CARRYING CAPACITY A	MAXIMUM DC RESISTANCE AT 20 °C Ohm/km	MAXIMUM AC RESISTANCE AT 90 °C Ohm/km	SINGLE PHASE VOLTAGE DROP MV/A.m
0.5	3	39.0	47.4	94.7
0.75	7.5	26.0	31.6	63.2
1.0	10	19.5	23.7	47.5
1.5	16	13.3	16.2	32.3
2.5	20	7.98	9.70	19.4
4.0	25	4.95	6.02	12.0