

# 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 1mm<sup>2</sup> 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 U<sub>0</sub>/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

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## 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
<b>Round without sheath</b>						
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
<b>Round</b>						
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 0.5mm<sup>2</sup> 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