

# Ordinary Duty V90 PVC Flexible Cord 250/400V Cable



Eland Product Group: AS0

## APPLICATION

Ordinary Duty flexible cords for installation in dry environments only, in conduit or enclosures such as switchboards, control panels, appliances and electrical equipment including radios, desk lamps and office machines. Available in flat and round configurations, as single and multicore - with an earth core in 3 core and above cables for applications such as washing machines and dishwashers. Suitable as leads for industrial and office equipment requiring a three-phase supply and an earth connection.

## CHARACTERISTICS

**Rated Voltage U<sub>o</sub>/U (Um)**  
250/400V

**Temperature Rating**  
Maximum continuous operating temperature: 90°C

**Minimum Bending Radius**  
6x overall diameter

## CONSTRUCTION

**Conductor**  
Annealed copper conductor

**Insulation**  
V-90 PVC (Polyvinyl chloride)

**Sheath**  
5V-90 PVC (Polyvinyl chloride)

**Sheath Colour**  
● Grey, ○ White, ● 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 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
<b>Round</b>						
AS04R0100005**	1	0.5	0.6	-	2.2	0.9
AS04R0100075**	1	0.75	0.6	-	2.4	1.2
AS04R010010**	1	1.0	0.6	-	2.5	1.5
AS04R010015**	1	1.5	0.7	-	3.0	2.1
AS04R010020**	1	2.5	0.8	-	3.7	3.4
AS04R010040**	1	4	0.8	-	4.2	4.8
<b>Flat</b>						
AS04F0200005**	2	0.5	0.6	0.8	6.0×3.9	3.6
AS04F0200075**	2	0.75	0.6	0.8	6.4×4.1	4.3
<b>Round</b>						
AS04R0200075**	2	0.75	0.6	0.8	6.4	5.7
AS04R020010**	2	1.0	0.6	0.8	6.7	6.5
AS04R020015**	2	1.5	0.7	0.8	7.7	8.9
AS04R020025**	2	2.5	0.8	1.0	9.4	14
AS04R020040**	2	4	0.8	1.0	10.5	18
AS04R0200075**	3	0.75	0.6	0.8	6.8	6.8
AS04R030010**	3	1.0	0.6	0.8	7.1	7.9
AS04R030015**	3	1.5	0.7	0.9	8.4	11
AS04R030025**	3	2.5	0.8	1.1	10.2	17
AS04R030040**	3	4	0.8	1.1	11.4	23
AS04R0400075**	4	0.75	0.6	0.8	7.4	8.2
AS04R040010**	4	1.0	0.6	0.9	8.0	9.9
AS04R040015**	4	1.5	0.7	1.0	9.4	14
AS04R040025**	4	2.5	0.8	1.1	11.2	21
AS04R040040**	4	4	0.8	1.1	12.5	29
AS04R0500075**	5	0.75	0.6	0.9	8.3	10
AS04R050010**	5	1.0	0.6	0.9	8.7	12
AS04R050015**	5	1.5	0.7	1.1	10.5	17
AS04R050025**	5	2.5	0.8	1.2	12.4	26
AS04R050040**	5	4	0.8	1.3	14.1	36

\* Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below. e.g. AS04R0200005BK = 2 core Round 0.5mm<sup>2</sup> Black

## COLOUR CODES

COLOUR CODE	White WH	Grey GR	Orange OR	Black BK
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## 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	49.7	99.4
0.75	7.5	26.0	33.2	66.3
1.0	10	19.5	24.9	49.8
1.5	16	13.3	17	34
2.5	20	7.98	10.2	20.3
4.0	25	4.95	6.31	12.6