

Light Duty V90 PVC Flexible Cord 250/250V Cable



Eland Product Group: AS0

APPLICATION

Light Duty PVC insulated cables are suitable for installing in dry applications only. Applications include radios, shavers, lamps, small portable equipment, office machines and for appliances requiring an earth connection. Also suitable for use with double insulated appliances where the cord is not subject to mechanical stress. Available in flat and round configurations.

CHARACTERISTICS

Rated Voltage Uo/U
250/250V

Temperature Rating
Maximum continuous operating temperature: 90°C

Minimum Bending Radius
Flexed: 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
2 Cores: ● Brown, ● Light Blue
3 Cores: ● Brown, ● Light Blue, ● 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
Flat						
AS02F0200005**	2	0.5	0.5	0.6	5.2×3.3	2.8
AS02F0200075**	2	0.75	0.5	0.6	5.6×3.5	3.4
Round						
AS02R0200005**	2	0.5	0.5	0.6	5.2	3.7
AS02R0300005**	3	0.5	0.5	0.6	5.5	4.2
AS02R0200075**	2	0.75	0.5	0.6	5.6	4.5
AS02R0300075**	3	0.75	0.5	0.6	5.9	5.4
Parallel Webbed, Flat, Unsheathed						
AS02P0200005**	2	0.5	0.8	-	5.2×2.6	2.2
AS02P0200075**	2	0.75	0.8	-	5.6×2.8	2.7
AS02P020010**	2	1.0	0.8	-	6.0×3.0	3.3
AS02P020015**	2	1.5	0.8	-	6.6×3.3	4.5
AS02P020025**	2	2.5	0.9	-	7.9×3.9	6.6
AS02P020040**	2	4	1.0	-	9.3×4.7	11.0

* Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below. e.g. AS02R0200005BK = 2 core Round 0.5mm² Black

COLOUR CODES

COLOUR	White	Grey	Orange	Black
CODE	WH	GR	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	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