Veriflex® Control PUR-JZ Cable

Eland Product Group: V05

APPLICATION

Veriflex® flexible PUR sheathed cable for tooling machinery, production lines, and flexible applications with free movement and low tensile load. Suitable for dry, ambient and wet environments. They are resistant to oil, many chemicals, abrasion, and mechanical stress. These cables can be used in outdoor applications in fixed installations.

CHARACTERISTICS

Voltage Rating
300/500V

Test Voltage
4kV

Temperature Rating
Fixed: -40°C to +80°C
Flexed: -5°C to +70°C

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexed: 10 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible plain copper wires

Insulation
PVC (Polyvinyl Chloride)

Separator
Non-woven polyester tape

Sheath
PUR (Polyurethane)

Core Identification
● Black with white number
From 3 cores: ● Black with white number + ◐ Green/Yellow

Sheath Colour
● Grey

BSI KITEMARK™ TESTED

bsi. Cable Batch Verification KITEMARK™
KM 662609

Cables are tested and verified by The Cable Lab® to confirm they meet the quality standards required of the BSI Cable Batch Verification Kitemark™

STANDARDS

VDE 0295, VDE 0293-334, VDE 0293-308, VDE 0285-525-1, VDE 0285-525-2-51

IEC

UK LABORATORY TESTED

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

UKAS TESTING
8578

bsi. ISO 9001 Quality Management | ISO 14001 Environmental Management | ISO 17025 UKAS Accredited Cable Testing Laboratory | OHSAS 18001 Occupational Health and Safety Management

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™.

bsi. RoHS Trusted KITEMARK™
KM 634267

RoHS CE

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	HUMMEL PA NYLON GLAND SIZE*
V0502001GR000	2	0.50	0.40	0.8	5.1	36	12
V0502011GR000	2	0.75	0.40	0.8	5.5	44	16S
V0502021GR000	2	1	0.40	0.8	5.9	52	16S
V0502031GR000	2	1.5	0.40	0.8	6.5	65	16
V0503011GR000	3	0.75	0.40	0.8	5.8	53	16S
V0503021GR000	3	1	0.40	0.8	6.2	62	16
V0503031GR000	3	1.5	0.40	0.8	6.9	81	16
V0503041GR000	3	2.5	0.50	0.9	8.4	125	16
V0504011GR000	4	0.75	0.40	0.8	6.3	65	16
V0504021GR000	4	1	0.40	0.8	6.8	78	16
V0504031GR000	4	1.5	0.40	0.9	7.7	106	16
V0504041GR000	4	2.5	0.50	1	9.4	164	16
V0504062GR000	4	10	0.65	1.5	18.4	683	20
V0504082GR000	4	16	0.65	1.6	20.5	957	16S
V0504092GR000	4	25	0.70	1.8	25.4	1432	40
V0504102GR000	4	35	0.70	1.9	29.4	1941	40
V0505011GR000	5	0.75	0.40	0.8	6.8	78	16
V0505021GR000	5	1	0.40	0.9	7.6	99	16
V0505031GR000	5	1.5	0.40	0.9	8.4	129	16
V0505041GR000	5	2.5	0.50	1.1	10.4	206	20
V0505051GR000	5	4	0.60	1.2	10.3	192	20
V0505061GR000	5	6	0.65	1.4	14.6	447	25
V0507011GR000	7	0.75	0.40	0.9	7.6	104	16
V0507021GR000	7	1	0.40	0.9	8.2	126	16
V0507031GR000	7	1.5	0.40	1	9.3	171	16
V0512011GR00000	12	0.75	0.40	1.1	10.2	177	16
V0512021GR00000	12	1	0.40	1.1	11	214	20
V0512031GR00000	12	1.5	0.40	1.2	12.5	289	20
V0518011GR00000	18	0.75	0.40	1.2	12	256	20
V0518021GR000	18	1	0.40	1.3	13.2	319	20
V0518031GR00000	18	1.5	0.40	1.4	14.9	430	20
V0525011GR000	25	0.75	0.40	1.4	14.6	360	25
V0525021GR000	25	1	0.40	1.5	16	447	25
V0525031GR000	25	1.5	0.40	1.6	18.1	601	25

*Available in BK or GR

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITES 30°C CONTINOUS LOADING A	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3

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