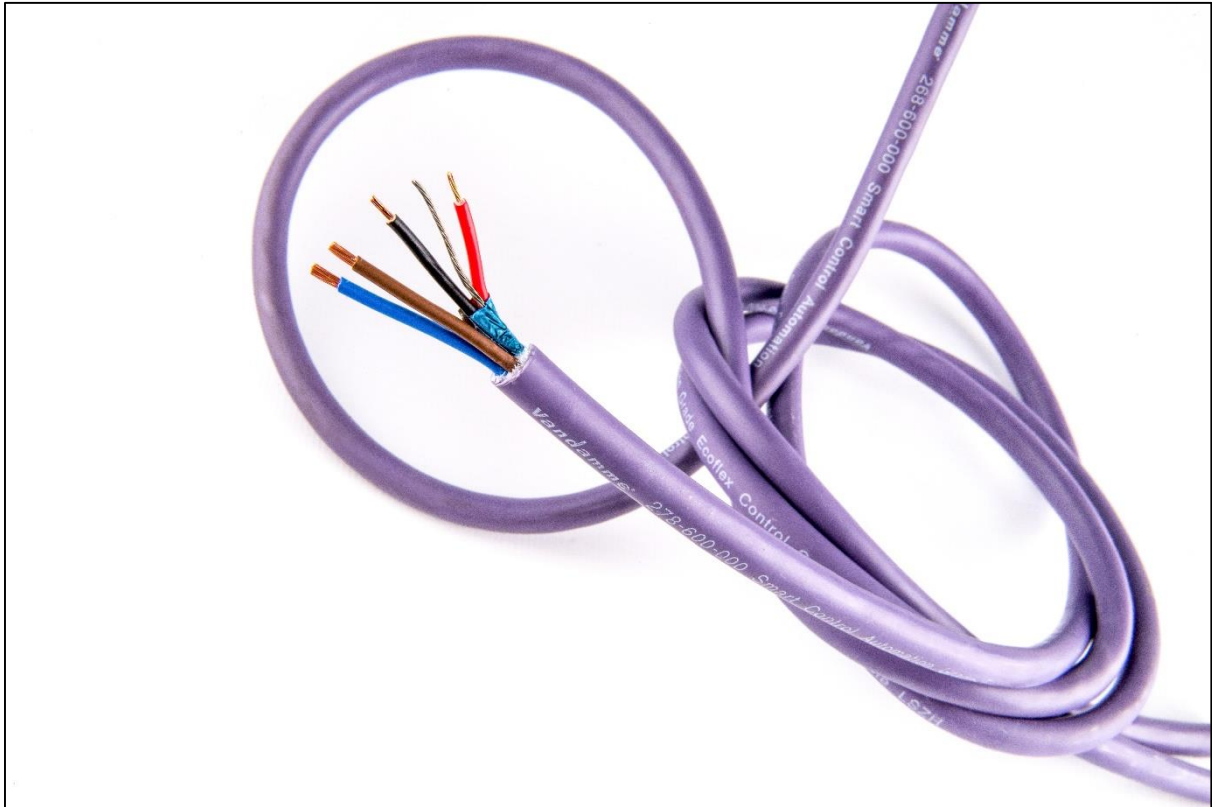












THE ROUTE OF LEAST RESISTANCE

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VAN DAMME SMART CONTROL SIGNAL & DC AUTOMATION CABLE



This range comprises a PVC or LSZH jacketed home automation control cable Van Damme Smart Control home automation cables are primarily for use with common automation system control found in home and office environments. These systems run a screened twisted pair with an additional 2 wires for DC voltages used, for example, for powering remote programmable touch panels.

KEY BENEFITS		MATERIALS				APPLICATIONS	
							
Characteristic 110 Ohm impedance	Digital and Analogue Signals	Oxygen Free Copper	Flexible PVC	Foam skin polyethylene	SHF-1 LSZH polymer	Lighting	Residential

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Applications

- Control cabling for home automation systems
- DMX and power cables

Application Notes

- 110 Ohm AES/EBU pair will also carry digital and analogue audio, DMX, timecode and midi signals
- Available with LSZH jacket for installation
- Low Smoke Zero Halogen version uses SHF1 thermoplastic jacketing materials compliant with IEC 60092-360:2014 Electrical installations in Ships

Mechanical Specification

Data Pair

Conductor	7 x 0.25 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.25 mm, 0.34 mm ² , AWG 22/7
Insulation	Foam skin polyethylene, Red/Black
Insulation diameter	1.75 ± 0.10 mm
Drain wire	19 x 0.12 mm tinned ultra-pure oxygen-free copper
Drain wire size	19 x 0.12 mm, 0.22 mm ² , AWG 24/19
Screen	24 µm Aluminium/Polyester Foil > 100% coverage

Power Elements

Conductor size	32 x 0.20 mm, 1.00 mm ² , AWG 17
Insulation	268-600-000 PVC 278-600-000 SHF1 LSZH thermoplastic polymer
Colour code	Brown, Blue

Overall construction

Separator	Fleece tape
Overall jacket	268-600-000 Flexible PVC Composite 278-600-000 SHF1 LSZH thermoplastic polymer
Colour	Non-Metallised Pearl Blackberry RAL 4012
Overall diameter	7.40 ± 0.25 mm
Bend radius	15 x overall diameter
Operating temperature	268-600-000: -20 to +70 °C 278-600-000: -35 to +70 °C



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Electrical Specification

Data Pair

Resistance	Conductor	< 59 Ohm/km
	Insulation	> 5000 MOhm/km
Capacitance	Core to core	40 pF/m
	Core to screen	80 pF/m
Impedance	1 -3 MHz	110 ± 20% Ohms
Attenuation	3 MHz	4.90 dB/100 m

Part Numbers and Description

Part Number	Description	Max. Reel Length
268-600-000	Van Damme Smart Control Automation cable PVC	500 m
278-600-000	Van Damme Smart Control Automation cable LSZH	500 m

Standards and Compliance

RoHS 2011/65/EU	Restriction of Hazardous Substances
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
278-600-000 only:	
IEC 60092-360:2014	Electrical Installations in ships - Sheathing materials for shipboard power and communication cables
IEC 60332.1	Fire retardancy of a single cable
IEC 60754.1	Amount of Halogen Gas Emissions
IEC 60754.2	Degree of acidity of released gases
IEC 61034.2	Measurement of smoke density