

Technical data sheet · LÜTZE-SILFLEX® QUAD N (H05VV5-F)



PVC control cable

Identification	Type	5×0.75
	Part-No.	108359

Use/Area of application

Application	<ul style="list-style-type: none"> • Machine and device construction, assembly lines, production lines, linking of control devices to conveyor systems • These cables are especially suited for systems that are intended for export. Through the <HAR> UL CSA approval, these cables can be used virtually worldwide. • The especially oil-resistant and flame-retardant PVC Jacket enables the use even under difficult conditions.
Properties	<ul style="list-style-type: none"> • PVC flame-retardant, self-extinguishing • Widely resistant to acids and bases • Oil resistant according to HD 21.1; UL; CSA • Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage	U ₀ /U	300/500 V
	UL/CSA	600 V
Test voltage	3000 V	
Insulation resistance	min. 20 MΩ × km	
	Temperature range <HAR>	
Temperature range <HAR>	moving	-5 °C to +70 °C
	fixed	-40 °C to +70 °C
Temperature range UL/CSA	moving	-5 °C to +90 °C
	fixed	-40 °C to +90 °C
Minimum bending radius	according to VDE 0298 table 6	

23.11.2007 – Subject to technical modification

Part-No. 108359

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273
 Tel.: +1 (704) 504-0222 • Fax: +1 (704) 504-0223
 www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3 Sandy Hill Park
 Sandy Way, Amington • GB-Tamworth, Staffs, B77 4DU
 Tel.: +44 (0)1827 31333-0 • Fax: +44 (0)1827 31333-2
 www.lutze.com • sales.gb@lutze.co.uk



Systematic Technology

Technical data sheet · LÜTZE-SILFLEX[®] QUAD N (H05VV5-F)

Burning behaviour	Flame-retardant according to VDE 0482 T 265; UL VW-1, CSA FT 1
Number of strands/cross-section	5×0,75
Outer-∅	8.1 approx. mm
Weight	9.7 kg/100 m
Cu-Index	3.6 kg/100 m

Design

Conductor structure	Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
Conductor insulation	Special PVC conductor insulation TI2 according to HD 21.1
Ground conductor	green/yellow according to DIN EN 50334 in the top layer
Stranding	Conductors stranded layers
Outer jacket	Jacket special PVC TM5 according to HD21.1, matt, adhesion-free surface
Jacket colour	grey RAL 7001

General

Note	CE These products are in conformity with the EC Low Voltage Directive 73/23/EWG or 93/68/EWG LÜTZE-SILFLEX [®] is a registered trademark in the USA
------	---

Logo



23.11.2007 – Subject to technical modification

Part-No. 108359

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273
Tel.: +1 (704) 504-0222 • Fax: +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3 Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs, B77 4DU
Tel.: +44 (0)1827 31333-0 • Fax: +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk