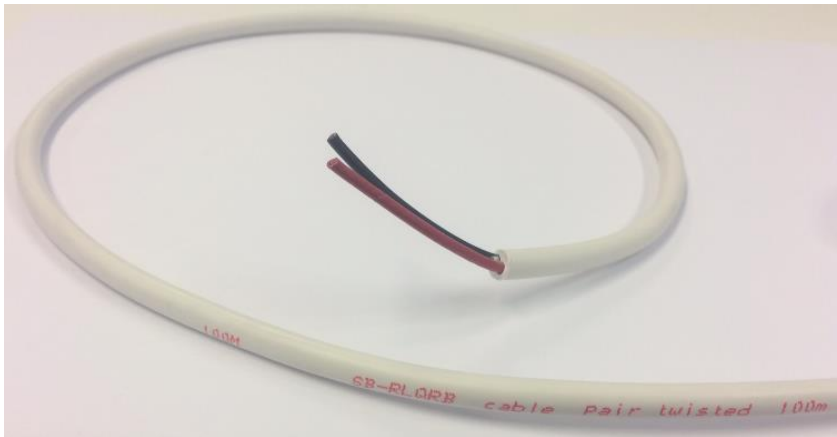


# Combined Power and Signal Cable

RQQAQBR 2x1, 0+1 x 2x0,8

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## ■ General

This specification includes a combined power supply and signal cable. The power supply leads have a blank Cu-lina, 1.0 mm<sup>2</sup> and insulation of halogen-free, flame retardant plastic compound and twisted to two pairs. The signal transmission conductors have solid, solid copper, diameter 0.8 mm, PE insulation, and are part wires and screens with an Al / Pr film. The cable has a halogen free, flame retardant jacket and is intended for indoor installation.

Complies with the requirements for fire spreading class F2 according to SS 424 14 75.

# Combined Power and Signal Cable

RQQAQBR 2x1, 0+1x1x0,8

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## II. Construction

A.	Conductor		
	Power supply lead		
	Multi-threaded, blank, annealed copper, 32x0,19 mm.		
	Nominal area	1,0	mm <sup>2</sup>
	Lead for signal transmission		
	Solid, glossy, braided copper		
	Nominal diameter	0,8	mm
	Nominal area	0,5	mm <sup>2</sup>
B.	Isolation		
	Power supply lead (1.0 mm <sup>2</sup> )		
	Colored, halogen free, flame retardant plastic compound.		
	Color scheme: Leader 1 red, conductor 2 black		
	Conductor for signal transmission (0.8 mm)	0.7	mm
	Nominal insulation thickness		
	Solid polyethylene, colored.		
	Nominal insulation thickness	0,3	mm
C.	Twisting		
	Four power lines twisted to two pairs.		
	Twisting maximum	75	mm
	Colour scheme: White-Blue		
D.	Screen		
	The signal pair is a screen mat with an aluminum / polyester foil, which is spirally loaded		
	With overlap and with all sides inward.		
	Nominal aluminum thickness	0,009	mm
	During and in contact with the Al-layer there is a thin Cu-lina, 7x0,2 mm (0,22 mm <sup>2</sup> ),		
	As connection leader.		
E.	Cabling		
	Two power pairs and a pair of parcel signal pairs are interconnected.		
F.	Strapping		
	Plastic strap coated with overlap.		
G.	Sheath		
	Halogen free flameproof plastic compound		
	The coat's color: White.		
	Nominal jacket thickness	0.9	mm
	Nominal outer dimension	7.5	mm
	Net weight per 100 m approximately	7.0	Kg

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# Combined Power and Signal

RLQRB 1x2x1, 0mm<sup>2</sup>

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### III. Electrical data at 20 °C

Leader Resistance (Single Leader):

Conductor 1.0 mm<sup>2</sup>

Max 19.5 Ω / km

Conductor 0.8 mm (0.5 mm<sup>2</sup>)

Max 37.5 Ω / km

Capacitance at 800 Hz (signal pairs)

Nom 100 nF / km

Operating voltage

Max 100 V AC

### IV. JACKET SOLUTIONS FOR ISOLATION AND MANTEL

The average thickness shall not in any section be less than 90% of nominal thickness.

The minimum thickness shall not in any section be less than 75% of nominal thickness.

Reaction to fire classification: Dca-s2,d2,a1

Vanderbilt DoP Reference: P1002V1

Datum: 27/07/2017

### ■ Ordering Information

Article Nr.	Description	Length	Weight
V54592-Z163-A100	Cable, Twin Pair, Halogen-Free 500m Reel	500m	65Kg