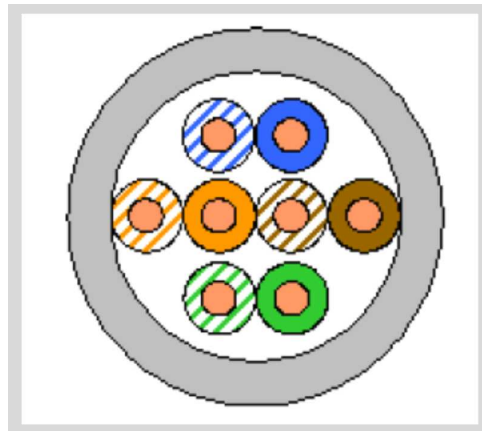


R&M F/UTP Cat.5e 200 MHz LSZH 600V RMS

29.06.2018 / V1.0 / Mn

Cable reference	Part number	R850917
	Source code	U

Cable construction	Conductor	Bare stranded copper wire AWG24 ($\varnothing 0.20 \pm 0.001 \times 7$ mm)
	Insulation	HDPE, 1.0 ± 0.1 mm
	Twisting	2 wires to the pair
	Cable lay up	4 pairs to the core
	Sheath	LSZH, RAL 2003 Orange



Application VOIP, IP Camera, IP TV , 1000Base-T;

Standards ISO/IEC 11801 2nd ed.; IEC 61156-5 2nd ed. ;
EN 50173-1; EN 50288-3-1, ANSI/TIA 568C.2
IEC 60332-1, IEC 61034, IEC 60754

Technical Data	Cable designation	R&M F/UTP Cat.5e 200 MHz LSZH 600V RMS
	Packaging	Drum 500 m
	Outer diameter	Nominal 6.2 ± 0.2 mm

Electrical Properties (at $20^\circ\text{C} \pm 5^\circ\text{C}$)	DC loop resistance	$\leq 94.6 \Omega / 1000$ m
	Rated Temperature	60 °C
	Outer jacket voltage rating	600V RMS
	Velocity ratio	approx. 68%
	Impedance	100 ± 15 at 1-100 MHz

Typical transmission characteristics (at 20°C)

f (MHz)	Attenuation (dB/100 m)	NEXT (dB)	PS-NEXT (dB)	Return loss (dB)
4.0	6.0	56.3	53.3	23.0
10.0	9.5	50.3	47.3	25.0
16.0	12.1	47.2	44.2	25.0
31.3	17.1	42.9	39.9	23.3
62.5	24.8	38.4	35.4	20.7
100.0	32.0	35.3	32.3	19.0

1) PS-ELFEXT was formerly known as PS-ACR-F.