

RoHS  
Compliant



## Specifications

### Designed of cable

Inner Conductor : Single bare copper  $\varnothing 0.57 \pm 0.01\text{mm}$   
 Insulation : HDPE  
 Size of Insulation :  $\varnothing 1.03 \pm 0.05\text{mm}$   
 Core Colour : WH/BU WH/OG WH/GN WH/BN  
 Drain Wire : Single bare copper  $\varnothing 0.57 \pm 0.01\text{mm}$   
 Jacket : LSOH  
 Jacket Colour : Purple  
 Jacket Size :  $\varnothing 7.2 \pm 0.2\text{mm}$   
 Jacket Wall Thickness :  $\approx 0.6\text{mm}$

### Electric data at 20°C

Conductor Resistance :  $\leq 70\Omega/\text{KM}$   
 Insulation Resistance :  $\geq 5000\text{M}\Omega \cdot \text{KM}$   
 Testing Voltage : wire/wire 50Hz 1min=1.5kV  
 Other Electric data:

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
Mhz	$\Omega$	$\geq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\geq \text{dB}/100\text{M}$	$\leq \text{ns}/100\text{M}$	%
1	100 $\pm 15$	20	2.1	74.3	68	72.3	65	$\leq 45$	66%
4		23	3.7	65	56	63.3	53		
8		24.5	5.3	60.7	49.9	48.8	46.9		
10		25	5.9	59	48	57.3	45		
16		25	7.5	56	43.9	54.2	40.9		
20		25	8.4	55	42	52.8	39		
25		24.3	9.5	53.3	40	41.3	37		
31.25		23.6	10.6	52	38.1	49.9	35.1		
62.5	100 $\pm 20$	21.5	15.4	47	32.1	45.4	29.1		
100		20.1	19.8	44	28	42.3	25		
200		18	29	40	22	37.8	19		
250		17.3	32.8	38.3	20	36.3	17		

Temperature Range :  $-10^\circ\text{C}$  to  $+60^\circ\text{C}$

## Part Number Table

Description	Part Number
Networking Outdoor Cable, Unscreened, Cat6, 305m	6FTPLSOH305

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