

CU27/115 PE CLASS A



CONSTRUCTION DATA		Dimension	Material	STRUCTURAL RETURN LOSS (SRL)	
Inner conductor		$\Phi = 2,7 \pm 0,02$ mm	Cu	Frequency [MHz]	dB
Dielectric		$\Phi = 11,5 \pm 0,1$ mm	Pee	5 – 470	> 26
Screen	Tape	100 %	Cu/Pet	470 – 1000	> 24
	Braid	52 %	Cu	1000 – 2000	> 20
	Tape			2000 – 3000	> 18
Outer sheath		$\Phi = 15,0 \pm 0,2$ mm	BLACK PE		
MECHANICAL DATA				SCREENING EFFICIENCY	
Copper content		kg/km	79,0	Frequency [MHz]	Transfer Imp. [TI]
Cable weight		kg/Km	180,0	5 – 30	m Ω /m
Min. static bending radius		mm	150	Frequency [MHz]	Screening Att. [AS]
Max. tensile strength		N	400	30 – 1000	dB
Operating Temperature Range		°C	[-20 ÷ +70]	1000 – 2000	> 90
				2000 – 3000	> 80
ELECTRICAL DATA					
Impedance [Ω]		75 \pm 3			
Capacitance [pF/m]		52 \pm 2			
Velocity ratio [%]		85			
DC resistance MAX _(inner/outer) [Ω /km]		3,0 / 6,0			
Voltage insulation sheath [kV]		3,0			<u>CPR – UE 305/2011</u>
ATTENUATION (20°C)				Euro Class	Fca
Frequency [MHz]		dB/100m		Dop Nr.	2000_0028
50		1,7			
200		3,4			
450		5,5			
862		7,7			
1000		8,4			
1350		10,0			
1750		11,4			
2150		12,9			
2400		13,8			
3000		15,8			

Ref 1825 Rev 01 Date 09/08/17

REFERENCE STANDARDS: EN 50117

CU27/115 LSZH CLASS A



CONSTRUCTION DATA		Dimension	Material	STRUCTURAL RETURN LOSS (SRL)	
Inner conductor		$\Phi = 2,7 \pm 0,02$ mm	Cu	Frequency [MHz]	dB
Dielectric		$\Phi = 11,5 \pm 0,15$ mm	Pee	5 – 470	> 26
Screen	Tape	100 %	Cu/Pet	470 – 1000	> 24
	Braid	52 %	Cu	1000 – 2000	> 20
	Tape			2000 – 3000	> 18
Outer sheath		$\Phi = 15,0 \pm 0,2$ mm	GREY LSZH		
MECHANICAL DATA				SCREENING EFFICIENCY	
Copper content		kg/km	79,0	Frequency [MHz]	Transfer Imp. [TI]
Cable weight		kg/Km	210	5 – 30	mΩ/m
Min. static bending radius		mm	150	Frequency [MHz]	Screening Att. [AS]
Max. tensile strength		N	400	30 – 1000	dB
Operating Temperature Range		°C	[-20 ÷ +70]	1000 – 2000	> 90
				2000 – 3000	> 80
ELECTRICAL DATA					
Impedance [Ω]		75 ± 3			
Capacitance [pF/m]		52 ± 2			
Velocity ratio [%]		85			
DC resistance MAX _(inner/outer) [Ω/km]		3,0 / 6,0			
Voltage insulation sheath [kV]		3,0			
ATTENUATION (20°C)				CPR – UE 305/2011	
Frequency [MHz]		dB/100m		Euro Class	Dca_ s1a, d2, a1
50		1,7		Dop Nr.	2479_E01038
200		3,4			
450		5,5			
862		7,7			
1000		8,4			
1350		10,0			
1750		11,4			
2150		12,9			
2400		13,8			
3000		15,8			

Ref 1826 Rev 03 Date 04/03/19

REFERENCE STANDARDS: EN 50117