



Cat.7A S/FTP 4x2xAWG22/1 black halogen free

GENERAL DATA		
cable	O.D.	10 mm
	weight	11,35 Kg/100m
	max.pulling force	380 N
	min.bending radius	10 x O.D.
jacket	material	LSZH thermoplastic material
	color	black
overall shield	material	tinned copper braid
	coverage	40%
single pair shield	material	aluminium/polyester tape
	coverage	100%
insulation	material	foamed polyethylene
	O.D.	1,52 mm
conductor	qty	4x2
	strand	1x0,64 mm
	Area	0,32 sqmm
	material	red copper

ELECTRICAL DATA		
D.C.R.		57,50 ohm/Km
insulation resistance		>5000 mOhm/Km
insulation voltage		1 kV
mutual capacitance		43 pF/m at 800 Hz
nom. Imp. (at 100 MHz)		100 ohm (nom)
propagation velocity		77%

Standard	IEC 60332-1	IEC 60332-3-24
	ISO IEC 11801 class F	

TRANSMISSION DATA																						
Frequency [MHz]		1	4	10	16	20	31,25	62,5	100	125	155,5	175	200	250	300	450	600	750	900	1000	1200	1500
Attenuation	dB/100m	2,00	3,50	5,30	6,60	7,50	9,50	13,50	16,50	18,80	21,00	21,20	23,20	25,40	28,40	36,00	41,00	47,80	52,00	55,30	59,00	70,00
NEXT	dB	90,00	90,00	90,00	90,00	85,00	85,00	80,00	80,00	80,00	80,00	75,00	75,00	75,00	70,00	70,00	65,00	65,00	65,00	65,00	55,00	50,00
ACR	dB	88,00	86,50	84,70	83,40	77,50	75,50	66,50	63,50	61,20	59,00	53,80	51,80	49,60	41,60	34,00	24,00	17,20	13,00	9,70	-4,00	-20,00
Return Loss	dB	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	25,00	20,00	20,00	20,00	20,00	20,00	15,00
*compliant to ISO/IEC 11801 standards																						

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This product has been manufactured in compliance to regulations set in ISO 9001:2008 quality management system validated by Bureau Veritas Italia S.p.A. and covered by certificate no. IT253715