

PROFINET 655

fixed installation, type A, UL approval, Cat. 5e



ELETTROTEK KABEL® PROFINET 655



Construction:

CONDUCTOR:	SOLID BARE COPPER CONDUCTOR
INSULATION:	PE COMPOUND
COLOUR CORES:	BLUE, YELLOW, WHITE, ORANGE
STRANDING:	CORES TWISTED TO A QUAD + CENTRAL FILLER
WRAPPING:	PET FOIL
INNER SHEATH:	HALOGEN-FREE COMPOUND
SCREEN:	ALUMINIUM TAPE + PET FOIL AND TINNED COPPER BRAID
OUTER SHEATH:	GREEN (SIMILAR RAL 6018) PVC COMPOUND

Resistance:



FLAME RETARDANT ACC. TO:
UL 1581 & 1060 (FT1 or FT2)
UL 1061
IEC 60332-1-2



OZONE RESISTANCE ACC. TO:
EN 50396

Technical data:

VOLTAGE:	UL: 300 V
TEST VOLTAGE:	1,5 kV
TEMPERATURE RANGE:	
FIXED LAYING:	- 30 UP TO + 80°C
MIN. BENDING RADIUS:	8 x D
CHARACTERISTIC IMPEDANCE:	100 Ω ± 15%, ACC. TO EN 50288-2-2 (CAT 5E ACC. TO EN 50173-1)
CONDUCTOR RESISTANCE AT 20°C Max. Ω/km:	56,4

Features:

cULus AWM STYLE 2571 80°C 300 V CE
or cULus 20601 80°C 300 V

ACC. TO STANDARD IEC 61156-5 AND EN 50228-2-1

ROHS AND CE APPROVAL



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FREQUENCY (MHZ)	ATTENUATION (dB/100 M)		NEXT (dB)		ACR-F (dB/100 M)		ACR (dB/100 M)		RETURN LOSS (dB/100 M)	
	Max. - STD	TYPICAL	Min. - STD	Min. - STD	Min.	Min.	Min. - STD	TYPICAL	Min. - STD	Min. STD
1	2,1	1,6	65,3	80	64	81	63,2	78,4	-	29
4	4	3,2	56,3	73	52	72	52,3	69,8	23	30
10	6,3	5,1	50,3	65	44	63	44	59,9	25	31
16	8	6,5	47,2	63	39,9	57	39,2	56,5	25	31
20	9	7,4	45,8	60	38	54	36,8	52,6	25	31
31,25	11,4	9,5	42,9	56	34,1	48	31,5	46,5	23,6	27
62,5	16,5	14,3	38,4	51	28,1	39	21,9	36,7	21,5	26
100	21,3	22	35,3	48	24	32	14	29	20,1	25

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
39220CEX022A22	1 x 4 x 0,34	6,5	33	74	22

Other dimension and colours available on request.