PROFINET 655 fixed installation,type A, UL approval



Construction:

CONDUCTOR:	SOLID BARE COPPER CONDUCTOR
INSULATION:	PE COMPOUND
COLOUR CORES:	BLUE,YELLOW, WHITE, ORANGE
STRANDING:	
- PROFINET 654:	IN LAYERS
- PROFINET 655:	IN LAYERS + CENTRAL FILLER
WRAPPING:	PET FOIL
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)
UL 1061
IEC 60332-1

OIL RESISTANCE ACC. TO:
DIN VDE 0473 PART.811-2-1 IEC 60811-2-1

OZONE RESISTANCE ACC. TO:
EN 50396

Technical data:

PEAK OPERATING VOLTAGE:	Max. 350 V
UL VOLTAGE:	300 V
TEST VOLTAGE:	2 kV
TEMPERATURE RANGE:	
FIXED LAYING:	- 30 UP TO + 80°C
MIN. BENDING RADIUS:	
- PROFINET 654:	5 x D
- PROFINET 655:	8 x D
CHARACTERISTIC IMPEDANCE:	100Ω ± 5Ω, ACC. TO EN 50288-2-2 (CAT 5E ACC. TO EN 50173-1)
OHMIC RESISTANCE AT 20°C Max. Ω/km:	
- PROFINET 654:	58 ACC. TO VDE 0812
- PROFINET 655:	56,4

Features:

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

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

ROHS AND CE APPROVAL

PROFINET 655 fixed installation,type A, UL approval, Cat. 5e



PROFINET 655 UL

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 mm²	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.