

DIGITUS CAT 7A S/FTP 4x2xAWG22/1, Dca-s1a d1 a1

DIGITUS CAT 7A S/FTP, data cable - installation cable, 1500 MHz, Simplex, Dca-s1a d1 a1 , GHMT PVP certified, AWG 22/1



Image for illustration only

Conductor:	Bare annealed copper, solid AWG 22/1
Insulation:	SFS-PE (Foam-Skin Polyethylene)
Total number of insulated conductors:	8, twisted in 4 pairs
Colour Code:	Blue-white, orange-white, green-white, brown-white
Individual pair shielding:	Aluminum foil, providing 100% coverage
Overall shielding:	copper tinned braid
Outer Sheath:	DCA to CCA acc. to EN 50575; LSZH
Outer sheath diameter (nominal):	0.60 mm (DCA); 0.60 mm (CCA)
Outer sheath color:	Yellow (RAL 1028)
Technical Data & Standard References	Product features: Flame spread: EN 60332-1-2 (LSOH-PVC) Halogen-free, corrosiveness: EN 60754-1/2 (LSOH) Smoke density: EN 61034-2
	Norm references / Approvals: Reference Standards: ISO/IEC 11801 3rd Ed. IEC 61156-5 EN 50173-1/4 EN 50288-9-1
Electrical & Mechanical Data	Mechanical Properties: Tensile loading: 150 N max. Dynamic bending radius: 8x AD mm min. Static bending radius: 4x AD mm min. Shipping- and storage temperature range: -20 °C up to +60 °C Operating temperature range: -20 °C up to +60 °C Installations temperature range: 0 °C up to +50 ° Overall diameter Simplex (nominal): 7.8 mm (DCA); 7.8 mm (CCA) Weight (kg/km): 65 kg (DCA); 65 kg (CCA)

	Electrical Properties: Impedance: 100 ± 5 Ohm @ 1-1000 MHz Capacitance: 40 pF/m nominal @ 1 KHz Capacitance unbalance (pair-ground): 1.6 pF/m max. @ 1 KHz Insulation resistance: 5 GOhm x km min. DC resistance: 72 Ohm/km max. (2% max. resistance unbalance) DC loop resistance: 147 Ohm/km max. (2% max. resistance unbalance) Voltage resistance: 72 Vdc max. Coupling: attenuation: CA-Type 1b Signal propagation delay: 450 nS/100 m max. Propagation delay: 10 nS/100 m max. Separating class: „d“ acc. to EN 50174-2 NVP: 79%
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Application:

Primary (Campus), Secondary (Riser), Tertiary (Horizontally) IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 2.5GBase-T; 5GBase-T; 10GBase-T IEEE 802.5: 16 MB; ISDN; FDDI; ATM; CATV; PoE/PoE+/4PPoE

Botec P/N	Length/Packaging	Reaction to fire acc. to EN 50575
P/N DK-1743-A-VH-1	100 m ring, Simplex	D _{CA}
P/N DK-1743-A-VH-5	500 m drum, Simplex	
P/N DK-1743-A-VH-10	1000 m drum, Simplex	
	500 m drum, Simplex	C _{CA}
	500 m drum, Duplex	
	500 m drum, Simplex	B _{2CA}

FREQ.	ATT	NEXT	PS-NEXT	ACR	PS-ASR	EL-FEXT	PS-ELFEXT	RL
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	1.6	110	107	108	105	109	106	26.1
10	4.2	110	107	106	103	109	106	32.3
100	14.4	110	107	96	93	93	90	36.2
250	24.5	105	102	81	78	83	80	34.8
500	34	105	102	71	68	70	67	31.8
600	37.7	100	97	62	59	64	61	28.5
1000	49	92	89	43	40	49	46	22.2
1200	54.9	88	85	33	31	40	37	20.2
1500	62	73	70	11	8	25	22	12.3