



Electrical Properties

Impedance	100 ± 15 Ohm @ 4-100 MHz; 100 ± 25 Ohm @ 100-600 MHz
Capacitance	45 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	95 Ohm/km max. (2% max. resistance unbalance)
DC loop resistance	190 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%

Product Number Information

Item code	Length/Packaging	Reaction to fire acc. to EN 50575	DoP number
DK-1741-VH-1	100 m ring, Simplex	E _{CA}	DoP_1000_007
DK-1741-VH-5	500 m drum, Simplex		
DK-1741-VH-10	1000 m drum, Simplex		
DK-1741-VH-D-1	100 m ring, Duplex		
DK-1741-VH-D-5	500 m drum, Duplex		
DK-1743-VH-1	100 m ring, Simplex	D _{CA}	DoP_1000_086
DK-1743-VH-5	500 m drum, Simplex		
DK-1743-VH-10	1000 m drum, Simplex		
DK-1743-VH-D-1	100 m ring, Duplex		
DK-1743-VH-D-5	500 m drum, Duplex		
DK-1744-VH-1	100 m ring, Simplex	C _{CA}	DoP_1000_091
DK-1744-VH-5	500 m drum, Simplex		
DK-1744-VH-10	1000 m drum, Simplex		
DK-1744-VH-D-1	100 m ring, Duplex		
DK-1744-VH-D-5	500 m drum, Duplex		
DK-1745-VH-1	100 m ring, Simplex	B2 _{CA}	DoP_1000_029
DK-1745-VH-5	500 m drum, Simplex		
DK-1745-VH-10	1000 m drum, Simplex		
DK-1745-VH-D-1	100 m ring, Duplex		
DK-1745-VH-D-5	500 m drum, Duplex		



Transmission Properties

FREQ.	ATT	NEXT	PS-NEXT	ACR	PS-ACR	EL-FEXT	PS-ELFEXT	RL
MHz	dB	dB	dB	dB	dB	dB	dB	dB
1	2,0	78,0	75,0	76,0	73,0	78,0	75,0	20,0
10	5,9	78,0	75,0	72,1	69,1	74,0	71,0	25,0
100	19,1	72,4	69,4	53,3	50,3	54,0	51,0	20,1
250	31,0	66,5	63,5	35,5	32,5	46,0	43,0	17,3
500	45,3	61,9	58,9	16,6	13,6	40,0	37,0	17,3
600	50,1	60,8	57,8	10,7	7,7	38,4	35,4	17,3
1000	66,9	57,4	54,4	NS	NS	35,3	32,3	13,1
1200	74,4	56,2	53,2	NS	NS	33,8	30,8	12,6