

MegaLine® D1-20 SF/U flex

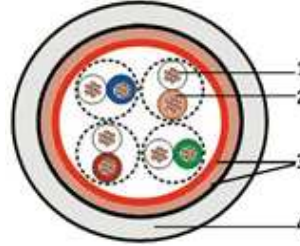
S₂P₀A₁C₂E₃

Type:
KS-2Y(ST+C)Y 4x2xAWG 26/7



Category: 5

- Construction:**
- 1 Conductor: bare copper wire, AWG26/7
 - 2 Insulation: PE, core-Ø: max. 1.0 mm
 - Twisting element: pair
 - Twisting: 4 pairs
 - 3 Overall screen: aluminum-bonded polyester tape and tinned copper wire braid
 - 4 Outer sheath: PVC



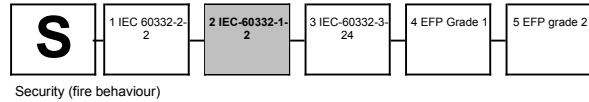
colour code: whbl/bl, whor/or, whgn/gn, whbr/br
Colour outer sheath: grey, RAL-7035

printing outer sheath:
LEONI MegaLine D1-20 SF/U flex 4P Y SPACE Code 20123 \$Production lot code\$ \$Meter marking\$

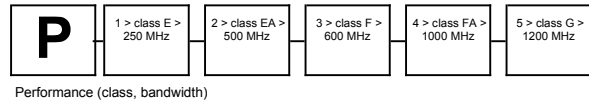
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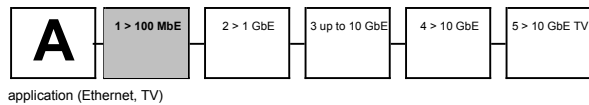
fire behaviour:
flame resistance: acc. to IEC 60332-1-2
fire load (MJ/m): 0.4 (approx.)



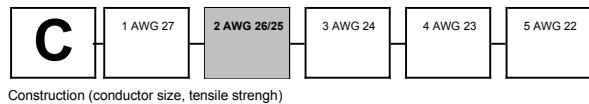
capability characteristics:
better than category 5 acc. to EN 50288 and IEC 61156 excellent screen properties
bandwidth 200 MHz



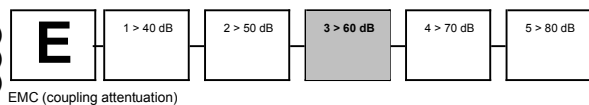
applications:
Connecting cable and patch cord for generic cabling systems acc. to ISO/IEC 11801 and EN 50173 (2nd edition). Ideal for all applications of class D up to 1 GbE acc. to IEEE 802.3 ab, VoIP, PoE



mechanical characteristics:
bending radius:
in operation: 5 x outer diameter (min.)
tensile loading (N): 60 (max.)



electromagnetic behaviour:
transfer impedance at 10 MHz (mOhm/m): 10 (nominal value)
screen attenuation up to 1000 MHz (dB): 50 (nominal value)
coupling attenuation up to 1000 MHz (dB): 65 (nominal value)



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LEONI

Type:

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Electrical characteristics at 20°C:

DC resistance (Ohm/km):	145 (max.)
insulation resistance (GOhm x km):	5 (min.)
mutual capacitance (pF/m):	51 (approx.)
signal tempo (c):	0.65 (approx.)
signal transit time (ns/100m):	510 (approx.)
Skew at 100 MHz (ns/100m):	15 (approx.)
Characteristic impedance at 100 MHz (Ohm):	100±5
test voltage U _{eff} (V):	1000
operating voltage (V):	125 (max.)

frequenz MHz	attenuation dB/10m		NEXT dB		PS-NEXT dB		ACR dB@10m		PS-ACR dB@10m		EL-FEXT dB@10m		PS-ELFEXT dB@10m		RL dB	
	typ.	Cat.5 max.*	typ.	Cat.5 min.*	typ.	Cat.5 min.*	typ.	Cat.5 min.*	typ.	Cat.5 min.*	typ.	Cat.5 min.*	typ.	Cat.5 min.*	typ.	Cat.5 min.*
1	,24	,32	76	65	73	62	76	65	73	62	91	64	88	61	24,9	-
4	,44	,6	71	56	68	53	70	56	67	53	76	52	73	49	29,8	23
10	,8	,95	64	50	61	47	63	49	60	47	68	44	65	41	38,2	25
16	1,01	1,21	60	47	57	44	59	46	56	44	64	40	61	37	39,3	25
31,25	1,44	1,71	56	43	53	40	54	41	51	40	58	34	55	31	36,7	23,6
62,5	2,07	2,48	52	38	49	35	50	36	47	35	52	28	49	25	35	21,5
100	2,66	3,2	48	35	45	32	45	32	42	32	47	24	44	21	29,9	20,1
155	3,26	-	45	-	42	-	42	-	39	-	42	-	39	-	26,2	-
200	3,86	-	42	-	39	-	39	-	36	-	37	-	34	-	23,5	-

* EN 50288-2-2(2004)/IEC 61156-6(2002)

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Chemical characteristics:

Free of hazardous substances acc. to RoHS 2011/65/EU

Thermal characteristics:

Temperature range for fixed installation
Temperature range for mobile operation-20°C up to +60°C
0°C up to +50°C

certificate and approbation:

Link Performance:
test certificate:
conform to LVD (2006/95/EC):LEONI MegaLine® systems and further commercial plug-in connector
acc. to DIN 55350-18-4.2.1 bzw. EN 10204
\$CE Logo\$

Article Number:	Size:	Outer diameter (mm):	weight (kg/km):	copper index (kg/km):	colour of outer sheath:
7KS50008	4P	5.5 (approx.)	33 (approx.)	21	grey, RAL-7035

packaging:

drum 1000m