

SPECIFICATION


SPECIFICATION REFERENCE:
CABLE DESCRIPTION:

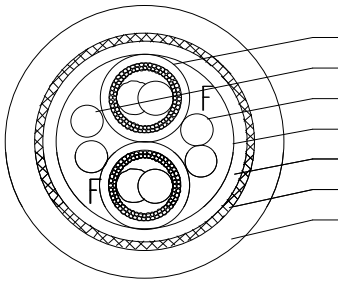
A87-3502

UL20233 USB3.0 2xParallelPair#26, 1xUSB2 UTP#28, 2C#28 [9.45]

1. CONSTRUCTION

		Core A	Core B	Core C
Conductor	Material	Tinned Copper	Tinned Copper	Tinned Copper
	AWG	28	28	26
	Composition (mm)	7/0.127	7/0.127	7/0.160
	Conductor Dia. (mm)	0.38	0.38	0.48
Insulation (PB Free)	Material	Semi Rigid PVC LF	Polyolefin	Cellular Polyolefin
	Nominal Thickness (mm)	0.25	0.17	0.34
	Insulation Dia (approx.)	0.89	0.71	1.17
Twisted pair	Diameter (mm)	-	1.42	-
Shield tape	Material	-	-	PTFE Tape
	Coverage (min.)	-	-	100%
Braid Shield	Material	-	-	Tinned Copper
	Coverage (min.)	-	-	92%
Pair Cabling	Material	-	-	TPE Grey
	Nominal Thickness (mm)	-	-	0.25
	Insulation Dia (approx.)	-	-	3.25
Cabling	Material	PTFE Binder Tape		
	Coverage (min.)	100%		
Inner Jacket	Material	TPE Grey		
	Nominal Thickness (mm)	0.41		
	Insulation Dia (approx.)	7.39		
Outer Shield	Material	Tinned Copper		
	Coverage (min.)	85%		
Jacket 1	Material	TPU (Violet)		
	Nominal Thickness (mm)	0.81		
	Diameter (±0.50mm)	9.45		
	UL Certification	to UL 20233 [80C / 300V]		

¹ Manufacturers Name [E file],  AWM Style etc may be printed on jacket



COMP C: 2/P 26 AWG
COMP A: 2/C 28 AWG PVC
COMP B: 1/P 28 AWG
PTFE BINDER
TPE INNER JACKET
BRAID SHIELD
TPU JACKET
F = FILLERS IF NECESSARY

2. COLOUR SUMMARY

Core	Insulation
A1	Red
A2	Black
B1	Green / White
C1	Violet / Orange
C2	Blue / Yellow

3. CABLE PERFORMANCE


Elec. Properties (at 20°C)	Nominal Conductor Resistance at 20°C (Ohms/m)		
		(A)	(B)
	0.23	0.23	0.14
	Min Insulation Resistance at 20°C (Mohms/Km)		
	1000		
	Dielectric Strength [V AC/min]		
	500		
	Differential Impedance:		
	[C] 90 +/- 7 Ohm		
	propagation delay skew		
	Intra-Skew (within Pair)	[C] 75ps/5M max.	
	Inter-Skew (Pair to Pair)	200ps/5M max.	
	Insertion Loss	625MHz	1.0 db/M max
	(Component C)	1250MHz	1.5 db/M max
		2500MHz	2.5 db/M max
		5000MHz	3.6 db/M max
		7500MHz	4.7 db/M max

4. FLEXIBILITY CLASSIFICATION

STATIC BEND RADIUS	6 x OD (=56.7MM)
DYNAMIC FLEXING	PLS CHECK SUITABILITY IN APPLICATION
CHAIN CABLE COMPLIANT TO	AIN CABLE COMPLIANT "HN 120/0.5" TO MIN. 1 MILLION CYCLES

5. PACKAGING

Cable shall be packaged to ensure no damage during transportation. Standard length to be established.

Related Documents:	41656/8	ISO E	
Dimensions without Tolerances according to	DIN 16901 Tol. Gr. 130-B		
Drawing Ref:	A87-3502		
Description:	UL20233 USB3.0 2xParallelPair#26, 1xUSB2 UTP#28, 2C#28 [9.45]		
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