4C 26AWG S/FTQ CAT5 PU CABLE

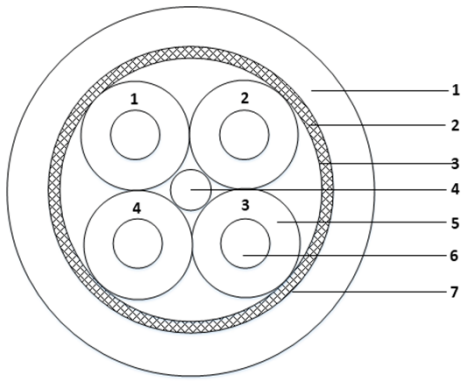
Description

- Rated temperature: 80℃
- Reference standard: UL 758
- Customer`s request
- Product standard certification:UL STYLE 20233
- Flame test: VW-1
- Stranded Tinned copper conductor
- Colour-coded PE insulation
- PU jacket
- Packaging: Per customer request

Application

- Profinet
- 100 Base-Tx

Product figure



Core colour:
1.Blue 2.Brown 3.White/Blue 4.White/Brown

1	Jacket
2	Braid
3	PP-tape+AL-mylar
4	Filler
5	Insulation
6	Conductor
7	Tape(Optional)

Physical characteristics

Structure	Construction	S/FTQ
	Number of Core	4C
Conductor	AWG/Size	26 AWG
	Conductor material	Stranded Tinned copper
	Conductor dimension	19/0.1±0.02 mm
Insulation	Insulation material	PE
	Insulation dimension	0.98±0.1 mm
Cabling	Cabling structure	4C+Filler
Tape	PP-tape	YES
	PP-tape overlapping	>=25%
Shield	Primary overall shield AL-mylar	YES
	Primary overall shield overlapping	25%
	Primary overall shield braid&material	Tinned copper
	Shield coverage Nom	85%
	Tape	Optional
Outer jacket	Outer jacket material	PU
	Outer jacket thickness (nom.)	0.90 mm
	Overall nominal dimension	4.9 ± 0.3 mm
	Outer jacket rip cord	N/A
	Outer jacket colour	Per request
Mechanical characteristics	Operating temperature range	-40 ℃ ~ +80 ℃
	Outer jacket tensile strength	≧10.3 MPa
	Outer jacket elongation	≧100%
	Outer jacket aging condition	113 ±2℃ x 168 hrs
	After aging, Tensile strength variation	>= 70%
	After aging, Elongation variation	>= 45%
Electrical characteristics	Nom. mutual capacitance	≦51 pF/m (800Hz)
	Pair to ground capacitance unbalance	≦340 pF/100m
	Nominal velocity of propagation	65%
	Max. conductor DC resistance	145Ω/km (@ 20°C)
	Max. conductor resistance unbalance	3% (@ 20°C)
	Min. insulation resistance	150 MΩ•KM
	Max. operating voltage - UL	300 V
	Dielectric strength	1,0 kV d.c. or 0,7 kV a.c. for 1 min， or 2,5 kV d.c. or 1,7 kV a.c. for 2 s

4C 26AWG S/FTQ CAT5 PUCABLE

Marking

HUAXUN Profinet Trailing Cable E317851 SHIELDED AWM STYLE 20233 80℃ 300V VW-1 26AWG S/FTQ CAT5E ROHS YYYYMMDDJNN *****M	Note : 1.The jacket shall be used black jet print marking excepte white color on black jacket. 2.YYYYMMDDJNN-Batch number. 3.*****-Sequential lmeter marking with 1m intervals. 4.Marking height :3±0.2mm,width 2±0.2mm.

Mechanical performance Requirements for the tests for outer jacket.

Test	Type of compound		test method
Oil resistant	70±1℃x4hrs (IRM 902)	tensile strength retained>=60% original elongation retained >=60% original	ANSI/ICEA S-73
UV resistant	300hrs of xenon-arc exposure	tensile strength and elongation retained >=85%	UL 1581 1200
Trailing test	R=7.5XOD,speed for 3m/s,acceleration for 5m/s^2	>=5 million cycles	

Electrical characteristics

Frequency	Input Impedance impedance	ATT	RL	NEXT	PD		
(MHz)	(Ω)	(dB/100m Max)	(dB Min)	(dB Min)	(dB/100m Max)		
0.772	100+/-15	2.70	23.0	64.0	555.0		
1	100+/-15	3.15	23.0	62.0	555.0		
4	100+/-15	6.45	23.0	53.0	555.0		
10	100+/-15	9.90	23.0	47.0	555.0		
16	100+/-15	12.30	23.0	44.0	555.0		
20	100+/-15	13.80	23.0	42.0	555.0		
31.25	100+/-15	17.70	21.1	40.0	555.0		
62.5	100+/-15	25.65	18.1	35.0	555.0		
100	100+/-15	33.00	16.0	32.0	555.0		

* Cable that meet the requirements of the characteristic impedance are not required to be measured for return loss;

alternately cables that meet the return loss requirements are not required to be measured for characteristic impedance.