

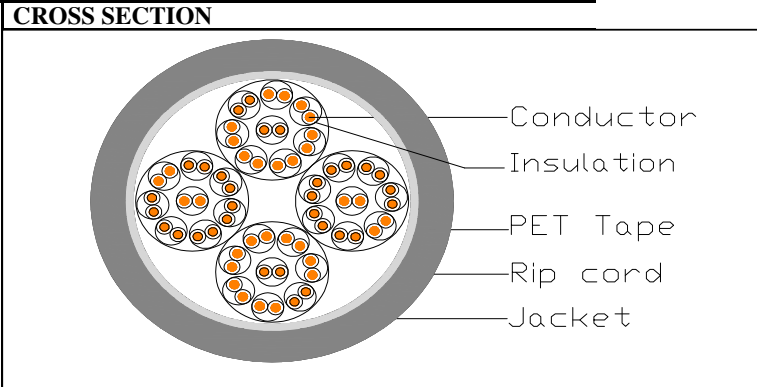


HENGTONG GROUP

Jiangsu Hengtong Wire & Cable Technology Co.,Ltd

Technical Specification Of SBYV 32P 26AWG Cable

Specification: SBYV 32*2*0.4	
Description	
Reference standard: YD/T 838.2-1997	
Solid annealed bare copper conductor	
PE Insulation	
PVC Jacket	
32 Pair Cable	
Construction	
Conductor □	Solid Annealed Bare Copper
Nom. Dia.(mm)	0.4
Insulation □	HDPE
Nom.Thickness(mm)	0.16
Insulation Dia.(mm)	0.72±0.03
Pair Twist	
Twist patch(mm)	≤45
Color (The 16 pairs Basic unit)	
1. White-Blue	9. Red-Brown
2. White-Orange	10. Red-Grey
3. White-Green	11. Black-Blue
4. White-Brown	12. Black-Orange
5. White-Grey	13. Black-Green
6. Red-Blue	14. Black-Brown
7. Red-Orange	15. Black-Grey
8. Red-Green	16. Yellow-Blue
Cabling	
Construction	Stranding Concentric
binding patch(mm)	≤50
PET Min.Thickness(mm)	0.025
PET Wrap overlapping	≥25%
Jacket	PVC
Nom.Thickness(mm)	0.8
Out Dia.(mm)	10.70±0.30
Color	PANTONE 430U
Oxygen Index	≥30
The cable Net weight(kg/km)	155



Marking	
Jacket	
HENGTONGGROUP SBYV 32*2*0.4 CM (UL) C(UL) E256189 Zm	
xxxx □ Cable code	yyyy □ The year of manufacture
z □ Length marking	

Performance	
Electrical Characteristics (20 □)	
1. Conductor DC Resistance	≤14
2. Resistance Unbalance	≤
3. Dielectric Strength DC	1000
4. Insulation DC Resistance	≥5000
5. Character Impedance (1MHz □ 16MHz)	100
6. Mutual capacitance (1kHz)	≤56
7. Attenuation (dB/100m)	
at 1MHz	≤2.95 at 16MHz
at 4MHz	≤5.4 at 20MHz
at 10MHz	≤8.6
8. PS-NEXT (dB/100m)	
at 1MHz	≥56 at 16MHz
at 4MHz	≥47 at 20MHz
at 10MHz	≥41
Physical Properties	
1. Conductor tensile strength	≥20
2. Conductor elongation	≥
3. Insulation tensile strength	≥1
4. Insulation elongation	≥
5. Jacket tensile strength	≥12
6. Jacket elongation	≥1
7. Aging condition	100±
8. Aged Jacket tensile strength	≥12
9. Aged Jacket elongation	≥1
10. Cold bend test □ -20±2 □ □ 4h □	no
11. Flame Test	CA

Product No.	
Huawei:	
Revision History	
First revision on Jun 01,2005	
Second revision on August 03,2005	

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Prepared by: XUMEIFANG 2005-8-3	Approved by: JINCHUNMIN

ductor
ation

Tape
cord
:et

yyyy xxxx

5Ω/km
2.5□
V/1min
0MΩ·km
0±15Ω
nF/km

≤10.7
≤12.0

≥38
≥37

0MPa
15%
0MPa
300%
2.5MPa
125%

2□×168h
2.5MPa
125%
crack
4(UL)