

ABS0972KB24

Shielded quad 100 Ohms

应用

高速数据传输(以太网)100Mbit/s 飞机娱乐系统

600 Volts RMS

电缆结构

4导体

19 x 0.13 mm 镀银铜

绞合导体 AWG 24

FEP绝缘

$\varnothing = 1.40 \pm 0.05$ mm

颜色：蓝，红，黄，绿

护套

浅蓝色FEP护套,可激光打标

电缆外径: 4.40 ± 0.20 mm

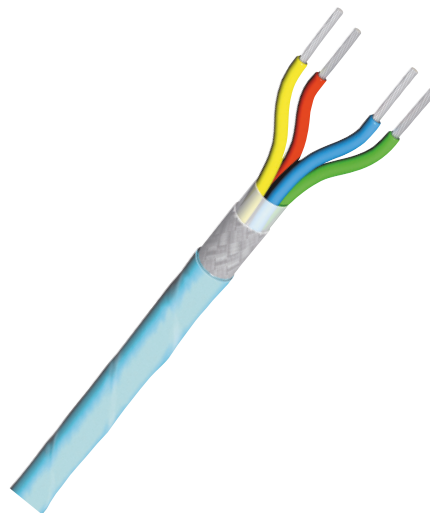
自然色FEP填充物

屏蔽

缠绕带

0.10 mm 镀银铜编织

$\varnothing = 3.90 \pm 0.15$ mm



其他特性



最小静态弯曲半径

20mm

标准规范

ABS 0972

Nexans part number

Study 2PC236



-55°C to +125°C
工作温度
-55°C to +200°C
存储温度



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ ABS0972KB24电气性能

回路电阻 20°C (Max)		19.2 Ω /100 m
绝缘电阻 20°C		1500 M Ω .km
阻抗		100 Ω $\pm$ 15 Ω from 1 to 100 MHz
传播速率		$\geq 69\%$
N.E.X.T.		> 68 -15 x log (F) dB from 1 to 100 MHz
衰减 (标称值)	1 MHz	2.1 dB/100m
	4 MHz	4.1 dB/100m
	10 MHz	6.5 dB/100m
	16 MHz	8.2 dB/100m
	20 MHz	9.3 dB/100m
	31.25 MHz	11.7 dB/100m
	62.5 MHz	17 dB/100m
	100 MHz	22 dB/100m

■ ABS0972KB24物理性能

标称重量	40.28 g/m
------	-----------

■ Identification

喷墨标识间距长度 $\approx$ 300 mm

Pitch length between the two next marking $\approx$ 150 mm

AB KB 24 FR F “生产年份”

ABS1503KD24

Shielded quad 100 Ohms

- 应用
高速数据传输(以太网)100Mbit/s 飞机娱乐系统

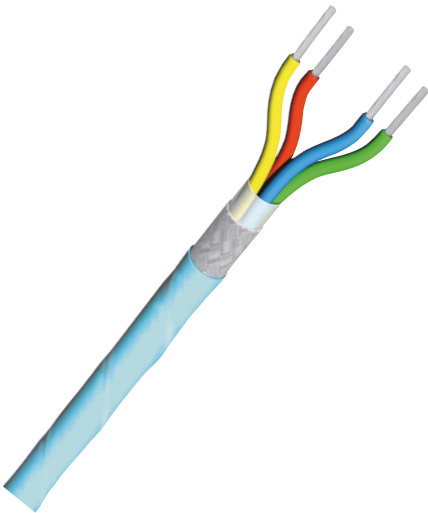
600 Volts RMS

电缆结构

- 4导体
19 x 0.13 mm 镀银铜
绞合导体 AWG 24
FEP绝缘
 $\varnothing = 1.40 \pm 0.05 \text{ mm}$
颜色：蓝，红，黄，绿

护套
浅蓝色FEP护套,可激光打标
电缆外径: $4.40 \pm 0.20 \text{ mm}$
- 自然色FEP填充物

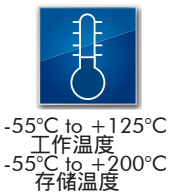
屏蔽
缠绕带
0.10 mm 镀银铜编织
 $\varnothing = 3.90 \pm 0.15 \text{ mm}$



- 其他特性
 最小静态弯曲半径
20mm

- 标准规范
ABS 1503

- Nexans part number
Study 2PF870



■ ABS1503KD24电气性能

回路电阻 20°C (Max)		19.2 Ω /100 m
绝缘电阻 20°C		1500 M Ω .km
阻抗		100 Ω $\pm$ 15 Ω from 1 to 100 MHz
传播速率		$\geq 70\%$
N.E.X.T.		> 68 -15 x log (F) dB from 1 to 100 MHz
衰减 (标称值)	1 MHz	2.1 dB/100m
	4 MHz	4.1 dB/100m
	10 MHz	6.5 dB/100m
	16 MHz	8.2 dB/100m
	20 MHz	9.3 dB/100m
	31.25 MHz	11.7 dB/100m
	62.5 MHz	17 dB/100m
	100 MHz	22 dB/100m

■ ABS1503KD24物理性能

标称重量	40.28 g/m
------	-----------

■ 鉴别方法

喷墨标识间距长度 $\approx$ 300 mm

Pitch length between the two next marking $\approx$ 150 mm

AB KD 24 FR F “生产年份”

STUDY 69794 - EN 3375-004 C - WJ

77 Ohms, Bus lines for multiplexed transmission

应用

Data bus cables for multiplexed transmission.
Used for bus system MIL STD 1553.

600 Volts RMS

电缆结构

2填充物

2导体

AWG 24, 0.21mm²
19 x 0.12 镀银铜合金

绝缘: 含氟聚合物
 $\varnothing = 1.05 \pm 0.10$ mm

LAY-UP

$\varnothing$ nom. = 2.10 mm

屏蔽

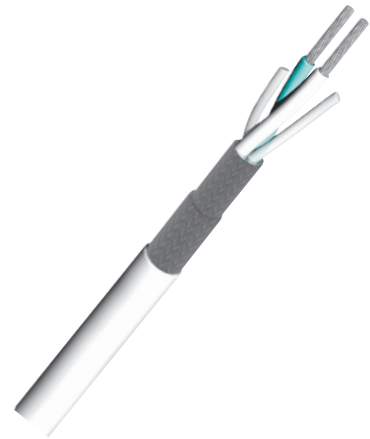
镀银铜 10/100

屏蔽

镀银铜 10/100
 $\varnothing < 3.50$ mm

护套

FEP护套
 $\varnothing = 3.65 \pm 0.25$ mm



其他特性



最小静态弯曲半径
45 mm

标准规范

EN3375-004



-65°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ EN 3375-004 C - WJ 尺寸和重量

Reference	US AWG	导体				绝缘		屏蔽		成品电缆		
		Compos. N x d (mm)	直径(mm)		Ohmic resistance at 20°C (Ohms/Km)	直径 (mm)		Ø Strand	Ø Max.	电缆外径 (mm)		重量 (Kg/Km)
			Nom.	Max.	Max.	Nom.	Max.	(mm)	(mm)	Nom.	Max.	Max.
69794	24	19 x 0.12	0.59	0.62	109	1.05	1.30	0.10	3.50	3.65	3.90	37

■ EN 3375-004 C - WJ电气性能

特性阻抗 1 MHz		77 ± 7 Ω
Nominal mutual capacitance		65 pF/m
一导体与屏蔽间标称电容		110 pF/m
导体与屏蔽间标称电容		180 pF/m
标称衰减 1 MHz		2.7 dB/100m
线性电阻		≤ 109 Ω/km
绝缘电阻		≥ 1500 MΩ.km
耐压	导体与导体间	1000 Volts
	导体与屏蔽间	1000 Volts
Jacket dry impulse		5000 Volts
额定电压		250 Volts
最大传输阻抗	DC current	15 mΩ/m
	1 MHz	5 mΩ/m
	10 MHz	5 mΩ/m
	30 MHz	10 mΩ/m

■ EN 3375-004 C - WJ物理性能

标称重量	28 g/m
最大重量	37 g/m
外护套颜色	白色
导体颜色	白色, 蓝色
打标	FILOTEX FRANCE ET 69794-**

With :

** = 生产年份 (ie. 08 = 2008)

Red marking for the main line (EN 3375-004 C01, Nexans reference : ETUDE 69794-01)

Blue marking for the branch line (EN 3375-004 C02, Nexans reference : ETUDE 69794-02)

■ Marking

Jacket code "none":

打标颜色:

Green

Marking text:

FILOTEX FRANCE ET 69794-**

Jacket code "01":

Colour of marking:

Red for the main line

Marking text:

FILOTEX FRANCE ET 69794-**

Jacket code "02":

Colour of marking:

Blue for the branch line

Marking text :

FILOTEX FRANCE ET 69794-**

(**) = 生产年份

■ EN 3375-004 C - WJ - Maximum transfert impedance

频率(MHz)	Max. Transfert impedance (mohm/m)
DC	15
1	5
10	5
30	10

EN 3375-005 C - WV

Bus lines for multiplexed transmission

应用

Use for bus system MIL STD 1553

600 Volts RMS

电缆结构

2填充物

2导体

AWG 24, 0.21mm²
19 x 0.12 镀银铜合金

绝缘: 含氟聚合物
 $\varnothing = 1.05 \pm 0.10$ mm

LAY-UP

$\varnothing$ nom. = 2.10 mm

屏蔽

镀银铜 10/100

HIGH IMMUNITY TAPE

屏蔽

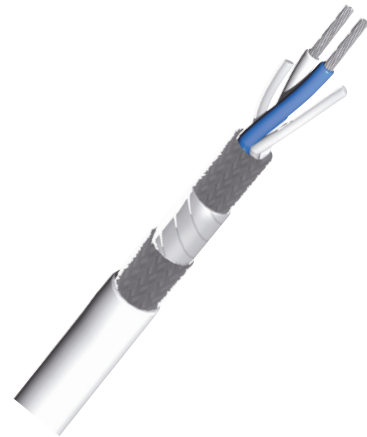
镀银铜 10/100

$\varnothing < 3.75$ mm

护套

FEP护套

$\varnothing = 3.85 \pm 0.25$ mm



其他特性



最小弯曲半径

Static : 40 mm

标准规范

EN3375-005

Nexans part number

Study 133189



-65°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ EN 3375-005 C - WV尺寸和重量

Reference	US AWG	Conductor				Insulation		Braid		Finish cable		
		Compos. N x d (mm)	Diameter (mm)		Ohmic resistance at 20°C (Ohms/Km)	Diameter (mm)		Ø Strand	Ø Max.	Overall diameter (mm)		Weight (Kg/Km)
			Nom.	Max.	Max.	Nom.	Max.	(mm)	(mm)	Nom.	Max.	Max.
133189	24	19 x 0.12	0.59	0.62	109	1.05	1.30	0.10	3.75	3.85	4.10	43.3

■ EN 3375-005 C - WV电气性能

特性阻抗 1 MHz		77 ± 7 Ω
Maximum mutual capacitance		78 pF/m
Maximum attenuation at 1 MHz		3.6 dB/100m
最大线性电阻		109 Ω/km
最小绝缘电阻		1500 MΩ.km
耐压	导体与导体间	1500 Volts
	导体与屏蔽间	1000 Volts
Jacket dry impulse		5000 Volts
额定电压		600 Volts AC

■ EN 3375-005 C - WV - Maximum transfert impedance

Frequency (MHz)	Max. Transfert impedance (mohm/m)
DC	15
1	0.025
10	0.025
30	0.1

■ EN 3375-005 C - WV物理性能

标称重量	34 g/m
最大重量	43.3 g/m

■ Marking

- Jacket code "none":
 - Colour of marking : Green
 - Marking text : EN WV 24 FRF**
- Jacket code "01":
 - Colour of marking : Red for the main line
 - Marking text : EN WV R24 FRF**
- Jacket code "02":
 - Colour of marking : Blue for the branch line
 - Marking text : EN WV B24 FRF**

(**) = 生产年份

ASNE0290XM24 - EN3375-006D

Bus pair, high temperature

应用

General electronic wiring.
Communication data bus,
compatible RS 422.

电缆结构

2导体

绞合导体

19 x 0.12 镀镍高强度铜合金

Extruded colored PTFE insulation

Ø = 1.13 to 1.33 mm

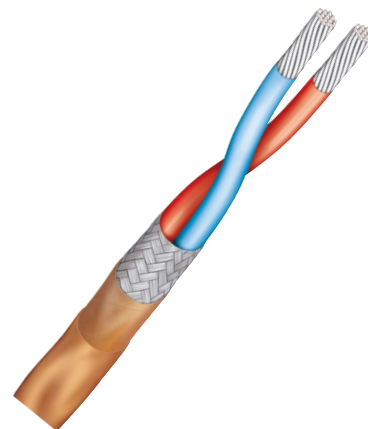
屏蔽

0.08 mm 镀镍铜编织

护套

聚酰亚胺

Ø Max. = 3.10 mm



其他特性



最小弯曲半径
25 mm

标准规范

ASNE 0290
EN 3375-006



-55°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ EN3375-006 D电气性能

阻抗200 MHz		78 ± 7 Ω
Lineic capacitance		64 ± 10 % pF/m
线性衰减 (最大)	at 1 MHz	0.035 dB/m
	at 10 MHz	0.15 dB/m
额定电压		600 Volts RMS

■ EN3375-006 D物理性能

最大重量	15 g/m
护套颜色	Natural
导体颜色	Light blue, red
打标	Marking tape beneath the jacket - XM 24 ** -FRF

With :

FR = Country of origin (FR = France)

F = Manufacturer (F = Nexans)

** = 生产年份 (ie. 09 = 2009)

ECS 0700 - EN 3375-007 C - WW

AWG 26 Bus line for multiplexed transmission

应用

Bus line for multiplexed transmission

电缆结构

2填充物

2导体

AWG 26, 0.15 mm²
19 x 0.10 镀银铜合金

Fluoropolymer
Ø = 0.80 ± 0.05 mm

LAY-UP

Ø nom. = 1.60 mm

屏蔽

镀银铜 8/100

Ø < 2.00 mm

屏蔽

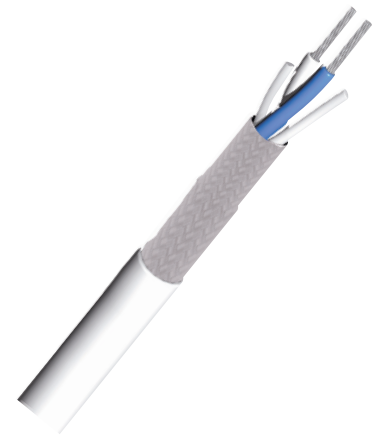
镀银铜 8/100

Ø < 2.40 mm

护套

FEP护套

Ø = 2.90 ± 0.10 mm



最小静态弯曲半径

20 mm

标准规范

ECS 0700
EN 3375-007

Nexans part number

Study 132041



-65°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ ECS 0700 - EN 3375-007 C - WW尺寸和重量

Reference	US AWG	Conductor				Insulation		Braid		Finish cable		
		Compos. N x d (mm)	Diameter (mm)		Ohmic resistance at 20°C (Ohms/Km)	Diameter (mm)		Ø Strand	Ø Max.	Overall diameter (mm)		Weight (Kg/Km)
			Nom.	Max.	Max.	Nom.	Max.	(mm)	(mm)	Nom.	Max.	Max.
132041	26	19 x 0.10	0.49	0.53	153	0.8	0.85	0.08	2.40	2.90	3.10	21

■ ECS 0700 - EN 3375-007 C - WW电气性能

特性阻抗 1 MHz		77 ± 7 Ω
Maximum mutual capacitance		75 pF/m
最大衰减 1 MHz		4.1 dB/100m
线性电阻		≤ 153 Ω/Km
绝缘电阻		≥ 1500 MΩ.km
耐压	导体与导体间	1000 Volts
	导体与屏蔽间	1000 Volts
Jacket dry impulse		5000 Volts
额定电压		250 Volts

■ ECS 0700 - EN 3375-007 C - WW - 最大传输阻抗

DC current	30 mΩ/m
1 MHz	15 mΩ/m
10 MHz	15 mΩ/m
30 MHz	15 mΩ/m

■ ECS 0700 - EN 3375-007 C - WW物理性能

最大重量	21 g/m
护套颜色	White
导体颜色	White, blue

■ Marking

For ECS 0700 & Study 133041:

Colour of marking:

Black

Marking text:

ECS 0700 WW FR F **

For EN 3375-007:

Jacket code "none":

Colour of marking:

Green

Marking text :

EN WW 26 FRF **

Jacket code "C01":

Colour of marking:

Red for the main line

Marking text:

EN WW R 26 FRF **

Jacket code "C02":

Colour of marking:

Blue for the branch line

Marking text:

EN WW B 26 FRF **

(**) = 生产年份

EN 3375-009-C WX ET 133199

应用

航空数据总线电缆
CAN BUS

120 Ohms AWG26, 高温数据总线电缆

600 Volts RMS

电缆结构

导体

7 x 0.16 mm 镀银高强度铜合金

含氟聚合物绝缘

护套

Fluoropolymer

Ø : 2.80 ± 0.10 mm

最大重量: 18 kg/km

ASSEMBLY

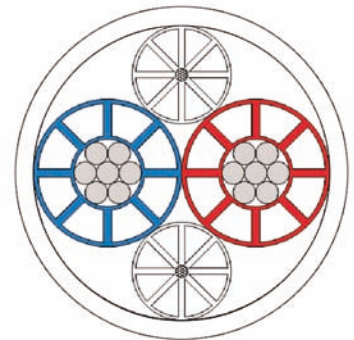
2 cores twisted with 2
aerated fillers

屏蔽

镀银铜编织

绞合直径: 0.08 mm

覆盖率 ≥ 62 %



其它特性



最小弯曲半径

静态: 20 mm

动态: 30 mm

标准规范

EN 3375-009



-55°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ EN 3375-009-C WX - ET 133139尺寸和重量

Reference	US AWG	Conductor				Insulation		Braid		Finished cable		
		Compos. N x d (mm)	Diameter (mm)		Ohmic resistance at 20°C (Ohms/Km)	Diameter (mm)		Ø Strand	Ø Max.	Overall diameter (mm)		Weight (Kg/Km)
			Nom.	Max.	Max.	Nom.	Max.	(mm)	(mm)	Nom.	Max.	Max.
133199	26	7 x 0.16	0.47	0.48	145	1.05	1.12	0.08	2.50	2.80	2.90	18

■ EN 3375-009-C WX - ET 133139 - High Frequency performances

Frequency (MHz)	Max Impedance (dB/100m)
1	108 < Z _c < 132
20	100 < Z _c < 120

Frequency (MHz)	Max Attenuation (dB/100m)
1	3
5	8

Frequency (MHz)	Nom. Transfert impedance (MΩ/m)
DC	50
1	50
10	50
30	100

■ EN 3375-009-C WX - ET 133139物理性能

导体颜色	Blue, red
护套颜色	White
导体颜色	Black
打标	EN WX 26 FRF**

With :

** = 生产年份 (ie. 08 = 2008)

STUDY 124960

77 Ohms, bus lines for multiplexed transmission

应用

Bus lines for multiplexed transmissions.

电缆结构

2填充物

1- PTFE

2导体

2- AWG 26, 0.15mm²

19 x 0.10 mm 镀银铜合金

Extruded PTFE insulation

Ø = 0.80 ± 0.05 mm

LAY-UP

3- Nominal Ø = 1.60 mm

屏蔽

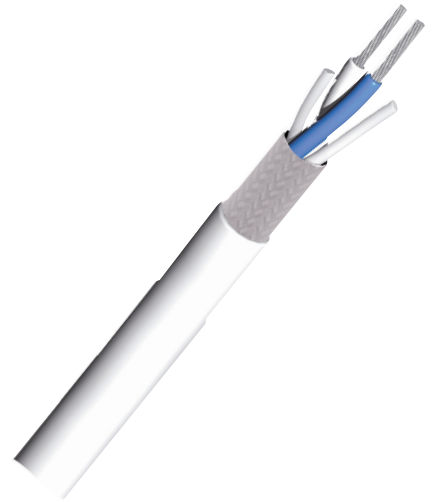
4- 镀银铜 10/100

Ø < 2.00 mm

护套

5- UV laser markable ETFE

Ø = 2.50 ± 0.10 mm



最小静态弯曲半径

15 mm

标准规范

EN 3375



-65°C to +150°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ StudY 124960电气性能

特性阻抗 1 MHz			77 ± 7 Ω
Nominal mutual capacitance			65 pF/m
一导体与屏蔽间标称电容			110 pF/m
导体与屏蔽间标称电容			180 pF/m
标称衰减 1 MHz			3.5 dB/100 m
线性电阻			≤ 146 Ω/km
绝缘电阻			≥ 1500 MΩ.km
导体与导体间耐压			1000 Volts
导体与屏蔽间耐压			1000 Volts
Jacket dry impulse			5000 Volts
额定电压			250 Volts
Maximum transfer impedance (mΩ/m)	DC current		50
	1 MHz		50
	10 MHz		50
	30 MHz		100

■ StudY 124960物理性能

标称重量	14.5 g/m
最大重量	19 g/m
护套颜色	White
导体颜色	White, blue
Marking	FILOTEX FRANCE ET 124960 - **

With :

** = 生产年份 (ie. 08 = 2008)

Red marking for the main line (Nexans reference : ETUDE 124960-01)

Blue marking for the branch line (Nexans reference : ETUDE 124960-02)

STUDY 124961

77 Ohms, Bus lines for multiplexed transmission

应用

Bus lines for multiplexed transmission.

电缆结构

2填充物

PTFE

2导体

AWG 24, 0.21mm²

19 x 0.12 mm 镀银铜合金

Extruded PTFE insulation

Ø = 1.05 ± 0.10 mm

LAY-UP

Nominal Ø = 2.10 mm

屏蔽

镀银铜 10/100

屏蔽

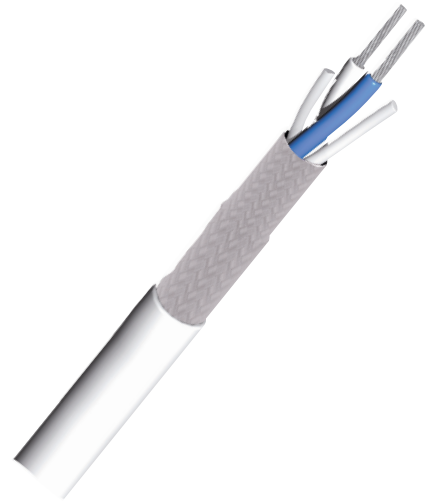
镀银铜 10/100

Ø < 3.50 mm

护套

UV laser markable ETFE

Ø = 3.65 ± 0.25 mm



最小静态弯曲半径

20 mm

标准规范

EN 3375



-65°C to +150°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ StudY 124961 电气性能

特性阻抗 1 MHz			77 ± 7 Ω
Nominal mutual capacitance			65 pF/m
一导体与屏蔽间标称电容			110 pF/m
导体与屏蔽间标称电容			180 pF/m
标称衰减 1 MHz			2.7 dB/100 m
线性电阻			≤ 109 Ω/km
绝缘电阻			≥ 1500 MΩ.km
导体与导体间耐压			1000 Volts
导体与屏蔽间耐压			1000 Volts
Jacket dry impulse			5000 Volts
额定电压			250 Volts
最大传输阻抗 (Ω/m)	DC current		15. 10 ⁻³
	1 MHz		5. 10 ⁻³
	10 MHz		5. 10 ⁻³
	30 MHz		10. 10 ⁻³

■ StudY 124961 物理性能

标称重量	28 g/m
最大重量	37 g/m
护套颜色	White
导体颜色	White, blue
Marking	FILOTEX FRANCE ET 124961 - **

With :

** = 生产年份 (ie. 08 = 2008)

Red marking for the main line (EN 3375-004C01, Nexans reference : ETUDE 124961-01)

Blue marking for the branch line (EN 3375-004C02, Nexans reference : ETUDE 124961-02)

STUDY 96770 - ASNE0479WJ - EN3375-004B

77 Ohms, Bus lines for multiplexed transmission

应用

Bus lines for multiplexed transmission.

电缆结构

2填充物

PTFE

2导体

AWG 24, 0.21mm²

19 x 0.12 mm 镀银铜合金

Extruded PTFE insulation

Ø = 1.05 ± 0.10 mm

LAY-UP

Nominal Ø = 2.10 mm

屏蔽

镀锡铜10/100

屏蔽

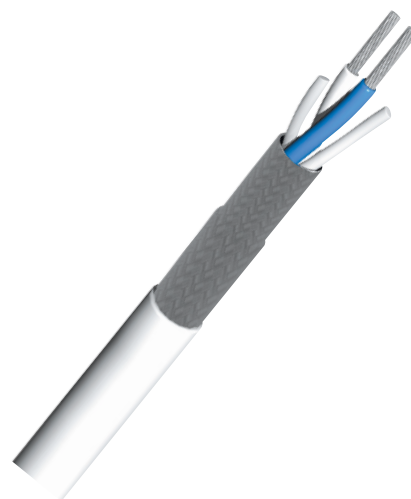
镀锡铜10/100

Ø < 3.50 mm

护套

FEP护套

Ø = 3.65 ± 0.25 mm



最小静态弯曲半径

20 mm

标准规范

EN3375-004



-65°C to +150°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ StudY 96770电气性能

特性阻抗 1 MHz			77 ± 7 Ω
Nominal mutual capacitance			65 pF/m
一导体与屏蔽间标称电容			110 pF/m
导体与屏蔽间标称电容			180 pF/m
标称衰减 1 MHz			2.7 dB/100 m
线性电阻			≤ 109 Ω/km
绝缘电阻			≥ 1500 MΩ.km
导体与导体间耐压			1000 Volts
导体与屏蔽间耐压			1000 Volts
Jacket dry impulse			5000 Volts
额定电压			250 Volts
最大传输阻抗 (Ω/m)	DC current		15. 10 ⁻³
	1 MHz		5. 10 ⁻³
	10 MHz		5. 10 ⁻³
	30 MHz		10. 10 ⁻³

■ StudY 96770物理性能

标称重量	28 g/m
最大重量	37 g/m
护套颜色	White
导体颜色	White, blue
Marking	FILOTEX FRANCE ET 96770 - **

With :

** = 生产年份 (ie. 08 = 2008)

Red marking for the main line (EN 3375-004B01, Nexans reference : ETUDE 96770-01)

Blue marking for the branch line (EN 3375-004B02, Nexans reference : ETUDE 96770-02)

EN 4608-005 B - GPB 24

Fireproof cable for data transmission
2 cores twisted screened and jacketed

应用

飞机机载电子系统

电缆结构

2导体

绞合导体 19 x 0.120

镀镍铜合金

绝缘

耐火绝缘

聚酰亚胺

PTFE带

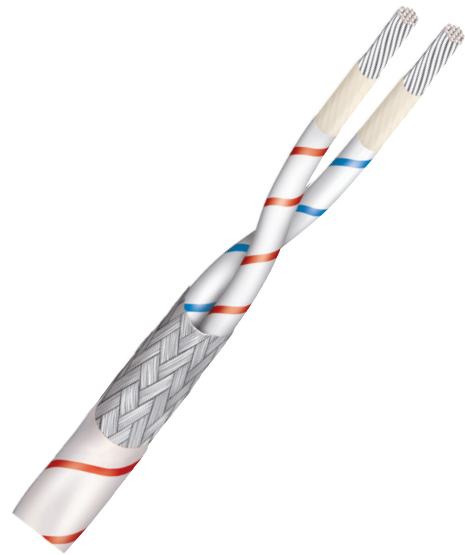
Ø = 1.20 to 1.65 mm

屏蔽

0.12 mm 镀镍铜编织

护套

UV PTFE带



其它特性

工作频率 : 达125 KHz

标准规范

EN 4608-005



-65°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)



Fire resistant
> 10k Ω
during 15 min

■ EN 4608-005 B 002 - GPB 24尺寸和重量

REFERENCE	Size Code	AWG	Finished Cable			
			No of cores	DC Resistance at 20°C (Ohms/Km) Max.	Diameter (mm) Max.	Weight (g/m) Max.
EN 4608-005B 002	002	24	2	135	4.00	27.5

■ EN 4608-005 B 002 - GPB 24电气性能

Impedance at 100 KHz	120 ± 20 % Ω
Transfer impedance at 100 KHz	< 30 mΩ
Capacitance at 100 KHz	< 85 pF/m
Attenuation at 100 KHz	1.6 dB/100m
额定电压	600 Volts RMS
Fire resistance -15 mn	> 10k Ω

■ EN 4608-005 B 002 - GPB 24物理性能

导体鉴别	2 cores	White with a helical red/blue stripe
护套鉴别	Color	White with narrow red stripe
	Marking	GPB 24 FRF**

With :

FR = Country of origin (FR = France)

F = Manufacturer (F = Nexans)

** = 生产年份 (ie. 08 = 2008)

PAN 6421 ZA

77 Ohms, Special electric cable (MIL-STD-1553B Data bus)

应用

Bus lines for multiplexed transmissions.

电缆结构

导体

绞合导体

19 x 0.118 mm 镀银铜合金

绝缘: Polyimide/FEP

tape plus dispersion

Ø = 1.22, Max. = 1.26 mm

PTFE FILLERS

屏蔽

内屏蔽层镀银铜编织0.08 mm

外屏蔽层镀银铜编织0.08 mm

护套

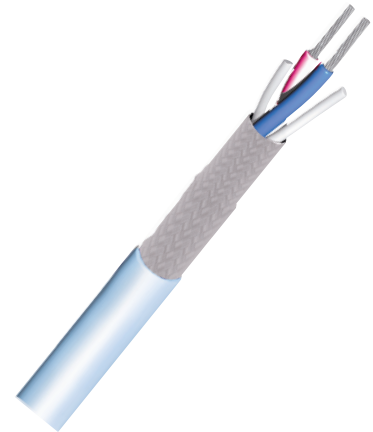
Extruded FEP jacket

0.20 mm minimum wall thickness

Ø min. = 3.15 mm

Ø Max. = 3.80 mm

最大重量: 29.0 g/m



标准规范

PANAVIA 75.6421

SP-P-99301-00-P

Nexans part number

Study 65529



-65°C to +150°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

PAN 6421 ZA 002电气性能

特性阻抗	77 ± 3 Ω
Mutual capacitance	98.4 pF/m
Attenuation	4.92 dB/100 m max.
额定电压	600 Volts RMS

PAN 6421 ZA 002物理性能

最大重量	29 kg/km
护套颜色	Blue
导体颜色	Red, blue
打标	PAN 6421 ZA 002 FR F **

With :

** = 生产年份 (ie. 08 = 2008)

ASNE0259HE24

125 Ohms, Bus cable (AWG 24, single braid, polyimide jacket)

应用

Bus lines.

电缆结构

导体

2 twisted cores AWG 24

绞合导体

19 x 0.12 mm 镀银高强度铜合金

绝缘: Extruded PTFE

$\varnothing = 1.97 \pm 0.03$ mm

屏蔽

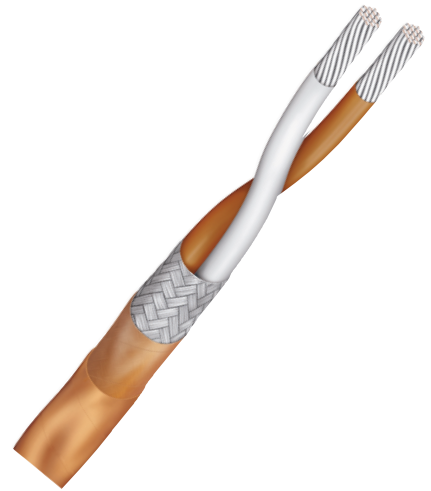
0.10 mm 镀镍铜编织

覆盖率 $\geq 62\%$

护套

聚酰亚胺

Max. $\varnothing = 4.50$ mm



其它特性

Non flammable

标准规范

ASNE 0259

Nexans part number

Study 63247



-55°C to +150°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

ASNE0259HE24 电气性能

特性阻抗	125 $\Omega \pm 10\%$
Mutual capacitance	40 pF/m
Attenuation at 500 KHZ	2.5 dB/100m
Attenuation at 1 MHZ	3.1 dB/100m
导体与导体间耐压	1500 Volts
导体与屏蔽间耐压	1500 Volts
最大线性电阻 20°C	97.2 Ω /km
额定电压	600 Volts RMS

ASNE0259HE24 物理性能

标称重量	27 g/m
护套颜色	Natural jacket
导体颜色	White, brown

STUDY 69654

1250hms, Bus cable (AWG 24, single braid, polyimide jacket)

应用

Bus lines.

电缆结构

1- CORES

19 x 0.127 mm 镀银铜合金

Extruded PTFE insulation

$\varnothing = 1.85 \pm 0.13$ mm

Assembly 2 cores

屏蔽

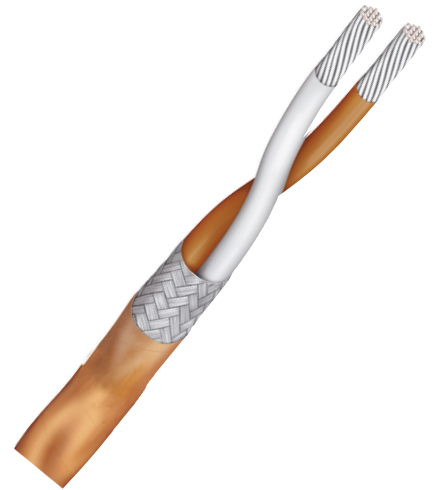
2- 0.10 mm镀锡铜编织

覆盖率: 68%

护套

3- 聚酰亚胺

$\varnothing = 4.45 \pm 0.38$ mm



标准规范

Honeywell n° P7500579
(12/01/1988)



-55°C to +150°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ StudY 69654电气性能

Impedance at 1 MHz	125 Ω $\pm$ 10%
Capacitance	40 $\pm$ 6.5 pF/m
导体与导体间耐压	1500 Volts
导体与屏蔽间耐压	1500 Volts
Voltage withstanding dry impulse of the jacket	3500 Volts
绝缘电阻	$\geq$ 1500 M Ω .km
额定电压	600 Volts RMS

■ StudY 69654物理性能

标称重量	27 g/m
护套颜色	Natural jacket
导体颜色	White, brown

STUDY 124843 - ASNE0849HJ26

75 Ohms, Twinaxial cable high immunity

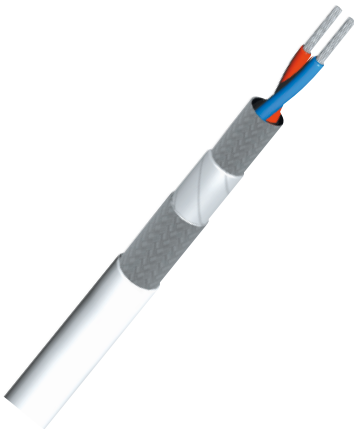
应用
一般电子线路

电缆结构

2 CORES

绞合导体
19 x 0.100 mm
镀镍高强度铜合金
绝缘
聚酰亚胺
PTFE topcoat
Max. = 0.84 mm

屏蔽
0.08 mm 镀镍铜编织
高性能抗干扰带
Ø nom. = 2.06 mm
0.10 mm 镀镍铜编织
Ø nom. = 2.50 mm
护套
FEP
Max. = 3 mm



最小弯曲半径
30 mm

标准规范
ASNE 0849



-65°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

ASNE0849HJ26 电气性能

最大阻抗		75 Ω
电容		40 $\pm$ 6.5 pF/m
传输阻抗	DC	28.10 ⁻³ Ω /m
	10 kHz	8.7.10 ⁻³ Ω /m
	100 kHz	0.85.10 ⁻³ Ω /m
	2 MHz	0.8.10 ⁻⁵ Ω /m
额定电压		600 Volts RMS

ASNE0849HJ26 物理性能

最大重量	22 g/m
护套颜色	White
导体颜色	Light blue, red
打标	HJ 26 FR F

With :

FR = Country of Origin (FR = France)
F = Manufacturer (F = Nexans)
** = 生产年份 (ie. 08 = 2008)

STUDY 61333

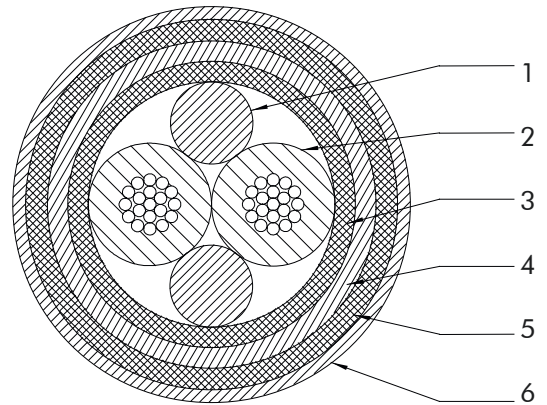
75 Ohms, Bus lines for multiplexed transmission

应用

Bus lines for multiplex transmission.

电缆结构

- | | |
|-----------------------------|--------------------|
| 1- 2 PTFE 填充物 | 5- 屏蔽 |
| 2- 2 导体 | 镀银铜 12/100 |
| AWG 22, 0.38mm ² | Ø nom. = 4.06 mm |
| 19 x 0.16 镀银铜 | 6- 护套 |
| Insulation : Extruded PTFE | Polyimide PTFE |
| Ø = 1.50 ± 0.03 mm | Ø = 4.55 ± 0.25 mm |
| Lay up : | |
| Ø nom. = 3.00 mm | |
| 3- 屏蔽 | |
| 镀银铜 12/100 | |
| 4- TAPE | |
| High permeability alloy | |



标准规范

Approved by the Defense Ministry
under letters N°8981/STTE/CTG
(10/09/1986)
Registered at B.N.Aé N°6415 401



-65°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ StudY 61333电气性能

特性阻抗			$75 \pm 5 \Omega$
Mutual capacitance			$65 \pm 5 \text{ pF/m}$
Capacitance unbalance			$\leq 5\%$
标称衰减	at 1 MHz		2.6 dB/100m
	at 10 MHz		10 dB/100m
线性电阻			$\leq 50.2 \Omega/\text{km}$
绝缘电阻 under 500 volts			$> 5000 \text{ M}\Omega.\text{km}$
耐压	导体与导体间		2000 Volts RMS
	导体与屏蔽间		2000 Volts RMS
Jacket dry impulse			5000 Volts
额定电压			600 Volts
Transfer impedance at 1 MHz			$2.5^{10^{-5}} \Omega/\text{m}$

■ StudY 61333物理性能

最大重量	55.4 g/m
护套颜色	White
导体颜色	White, blue

ASNE0811WY

77 Ohms, Bus lines for multiplexed transmission

应用

MIL-STD-1553数据总线电缆

电缆结构

2 PTFE填充物

2导体

AWG 26, 0.15mm² 19x0.10
镀银铜合金

绝缘: Extruded PTFE

Ø = 0.80 ± 0.05 mm

Lay up :

Ø nom. = 1.60 mm

屏蔽

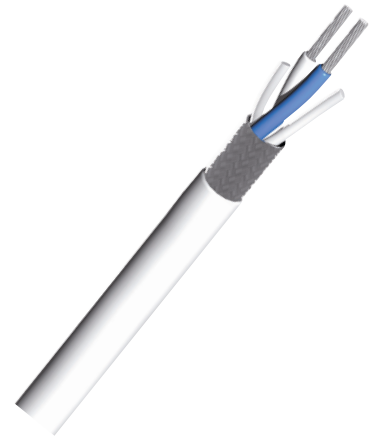
镀银铜 10/100

Ø < 2.00 mm

护套

FEP

Ø = 2.50 ± 0.10 mm



最小静态弯曲半径

15 mm

标准规范

ASNE 0811

Nexans part number

Study 69899-01

Study 69899-02



-65°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

■ ASNE 0811 WY电气性能

特性阻抗 1 MHz		77 ± 7 Ω
Nominal mutual capacitance		65 pF/m
一导体与屏蔽间标称电容		110 pF/m
导体与屏蔽间标称电容		180 pF/m
标称衰减 1 MHz		3.5 dB/100m
线性电阻		≤ 146 Ω/km
绝缘电阻		≥ 1500 MΩ.km
耐压	导体与导体间	1000 Volts
	导体与屏蔽间	1000 Volts
Jacket dry impulse		5000 Volts
额定电压		250 Volts
最大传输阻抗	DC current	50 mΩ/m
	1 MHz	50 mΩ/m
	10 MHz	50 mΩ/m
	30 MHz	100 mΩ/m

■ ASNE 0811 WY物理性能

标称重量	14.5 g/m
最大重量	19 g/m
护套颜色	White
导体颜色	White, blue
打标	FILOTEX FRANCE ET 69899-**

With :

** = 生产年份 (ie. 08 = 2008)

Red marking for the main line (Nexans reference : ETUDE 69899-01)

Blue marking for the branch line (Nexans reference : ETUDE 69899-02)

ABS0386WF24

100 Ohms

应用

数据总线电缆

电缆结构

2导体

19 x 0.12镀镍铜合金
PTFE绝缘

ASSEMBLY

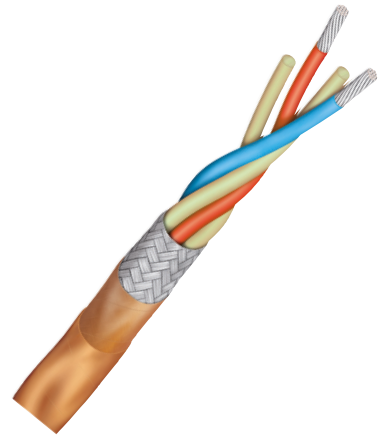
2 cores twisted with fiber glass
fillers

屏蔽

镀镍铜编织
Strand $\varnothing$ 0.08 mm

护套

聚酰亚胺



最小弯曲半径

25 mm

标准规范

ABS 0386

Nexans part number

Study 96897



-55°C to +200°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)

ASNE0386WF24尺寸和重量

Reference	US AWG	Conductor			Insulation		Braid		Finish cable		
		Composition (N x mm)	Diameter (mm) Nom.	Ohmic resistance at 20°C (Ohms/Km)	Diameter (mm)		Ø Strand	Nom.	Overall diameter (mm)		Weight (Kg/Km)
				Max.	Nom.	Max.			Nom.	Max.	Max.
Study 96897	24	19 x 0.12	0.59	117.5	1.40	1.50	0.08	3.12	3.30	3.50	23.4

ASNE0386WF24电气性能

特性阻抗 5 MHz		100 ± 10 Ω
最大电容		60 pF/m
衰减	at 1 MHz	0.03 dB/m
	at 5 MHz	0.06 dB/m
	at 10 MHz	0.12 dB/m
额定电压		600 Volts

ASNE 0386 WF物理性能

鉴别方法	1 core	Light blue
导体颜色	1 core	Red
护套颜色		Amber
打标		WF 24 FR F ** + dash

ET 132873

100 OHMS AWG 24 数据总线电缆
FIREPROOF CABLE

应用

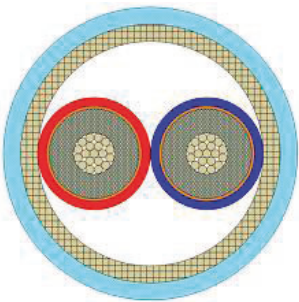
航空数据总线电缆

600 Volts RMS

电缆结构

导体
19 x 0.12 mm
镍包铜合金
耐火绝缘
聚酰亚胺
PTFE带
ASSEMBLY
2 cores twisted

屏蔽
镀镍铜编织
绞合直径: 0.12 mm
覆盖率≥ 62 %
护套
PTFE带
Ø : 4.12 mm
最大重量: 38 kg/km



标准规范

ESW 1254-010 (For cores)



-65°C to +260°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (a)(4)
Appendix F
part 1 (3)



Fire resistant
> 10k Ω
during 15 min

ET 132873尺寸和重量

Reference	US AWG	Conductor				Insulation		Braid		Finished cable		
		Compos. N x d (mm)	Diameter (mm)		Ohmic resistance at 20°C (Ohms/Km)	Diameter (mm)		Ø Strand	Ø Nom.	Overall diameter (mm)		Weight (Kg/Km)
			Nom.	Max.	Max.	Nom.	Max.	(mm)	(mm)	Nom.	Max.	Max.
132873	24	19 x 0.12	0.58	0.62	135	1.58	1.65	0.12	3.64	4.12	4.45	38

ET 132873电气性能

工作频率	125 kHz
最大电容	85 pF/m
特性阻抗	100 Ω at 1 MHz
最大衰减	1.6 dB/100 m at 0.1 MHz
最大传输阻抗	30m Ω /m at 0.1 MHz

ET 132873 - 鉴别方法

导体颜色	Blue + Red
护套颜色	Light Blue with narrow red stripe
打标颜色	Green
打标	ET 132873 FRF**

** = 生产年份 (ie. 09 = 2009)

ET 133026

124 OHMS AWG 24 数据总线电缆

应用

航空数据总线电缆

600 Volts RMS

电缆结构

导体

19 x 0.12 mm 镀银高强度铜合金
含氟聚合物绝缘

ASSEMBLY

2 cores twisted with 2 fillers

屏蔽

Metallized foil

镀银铜编织

绞合直径: 0.10 mm

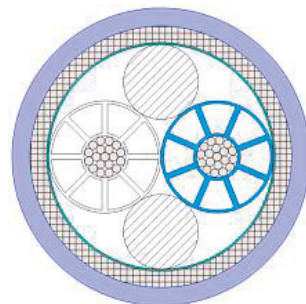
覆盖率 $\geq 62\%$

护套

Fluoropolymer

$\varnothing : 4.10 \pm 0.20$ mm

最大重量: 35 kg/km



其它特性



最小弯曲半径
23 mm



-55°C to +125°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (q)(4)
Appendix F
part 1 (3)

ET 133026尺寸和重量

Reference	US AWG	Conductor				Insulation		Braid		Finished cable		
		Compos. N x d (mm)	Diameter (mm)		Ohmic resistance at 20°C (Ohms/Km)	Diameter (mm)		Ø Strand	Ø Nom.	Overall diameter (mm)		Weight (Kg/Km)
			Nom.	Max.	Max.	Nom.	Max.	(mm)	(mm)	Nom.	Max.	Max.
133026	24	19 x 0.12	0.59	0.63	105	1.55	1.60	0.10	3.60	4.10	4.30	35

ET 133026电气性能

特性阻抗 1 MHz	124 ± 7 Ω
标称电容	36 pF/m
相对传输速率	80 % nom.
衰减(典型值) 10 MHz	6.6 dB/100 m

ET 133026鉴别方法

导体颜色	Blue + White
护套颜色	Translucent Blue
无达标	

ET 133195

120 OHMS AWG 22 数据总线电缆

应用

航空数据总线电缆

600 Volts RMS

电缆结构

导体

19 x 0.15 mm 镀银铜

含氟聚合物绝缘

ASSEMBLY

2 cores twisted with 2 aerated fillers

屏蔽

镀银铜编织

绞合直径: 0.10 mm

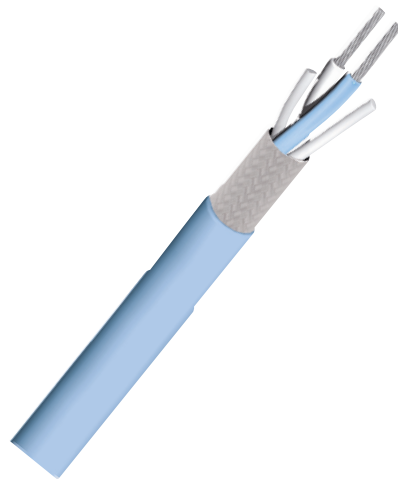
覆盖率 $\geq 62\%$

护套

含氟聚合物

电缆外径: 4.66 ± 0.25 mm

最大重量: 38 kg/km



其它特性



最小弯曲半径
45 mm



-55°C to +125°C



Very good
resistance to
aircraft fluids



Flame retardant
FAR/JAR part 25
sec 25.869 (q)(4)
Appendix F
part 1 (3)

ET 133195尺寸和重量

Reference	US AWG	Conductor				Insulation		Braid		Finished cable		
		Compos. N x d (mm)	Diameter (mm)		Ohmic resistance at 20°C (Ohms/Km)	Diameter (mm)		Ø Strand	Ø Nom.	Overall diameter (mm)		Weight (Kg/Km)
			Nom.	Max.	Max.	Nom.	Max.	(mm)	(mm)	Nom.	Max.	Max.
133195	22	19 x 0.15	0.74	0.76	56	1.90	1.97	0.10	4.11	4.66	4.91	38

ET 133195电气性能

特性阻抗 1 MHz	120 ± 7 Ω
标称电容	36 pF/m
相对传播速率	80 % nom.
衰减(典型值) 10 MHz	5.6 dB/100 m

ET 133195 - Identification

导体颜色	蓝色+白色
护套颜色	浅蓝色
无达标	-