

Heat shrinkable tubing 2:1 - flexible and coloured

TFN21

TFN21 is suitable for a wide range of applications like electrical insulations, mechanical protection and cable bundling.

Features and benefits

- High shrink ratio (2:1)
- Few sizes cover a wide range of diameters allowing reduced inventory
- Thin wall, flexible polyolefin tubing
- Fast shrinking and low shrink temperature
- Flame-retardant, UL224 VW1 listed



TFN21 - available in a wide range of colours and sizes.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	2:1
Operating Temperature	-50 °C to +135 °C
Min. Shrink Temperature	+70 °C
Longitudinal Change After Shrinkage	+/- 5 %
Dielectric Strength	>20 kV/mm
Flammability	UL 224 VW-1



TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Reel Length	Colour	Tools	Article-No.
TFN21 1.2/0.6	1.2	0.6	0.40	30 m	Black (BK)	30-32	309-61000
	1.2	0.6	0.40	300 m	Green-Yellow (GNYE)	30-32	309-61102
	1.2	0.6	0.40	300 m	White (WH)	30-32	309-61116
	1.2	0.6	0.40	300 m	Yellow (YE)	30-32	309-61051
TFN21 1.6/0.8	1.6	0.8	0.40	30 m	Black (BK)	30-32	309-61001
	1.6	0.8	0.40	30 m	Green-Yellow (GNYE)	30-32	309-61103
	1.6	0.8	0.40	30 m	White (WH)	30-32	309-61117
	1.6	0.8	0.40	30 m	Yellow (YE)	30-32	309-61052
TFN21 2.4/1.2	2.4	1.2	0.48	30 m	Black (BK)	30-32	309-61002
	2.4	1.2	0.48	300 m	Green-Yellow (GNYE)	30-32	309-61104
	2.4	1.2	0.48	300 m	White (WH)	30-32	309-61118
	2.4	1.2	0.48	300 m	Yellow (YE)	30-32	309-61053
TFN21 3.2/1.6	3.2	1.6	0.48	30 m	Black (BK)	30-32	309-61003
	3.2	1.6	0.48	300 m	Green-Yellow (GNYE)	30-32	309-61105
	3.2	1.6	0.48	300 m	White (WH)	30-32	309-61119
	3.2	1.6	0.48	300 m	Yellow (YE)	30-32	309-61054
TFN21 4.8/2.4	4.8	2.4	0.48	30 m	Black (BK)	30-32	309-61004
	4.8	2.4	0.48	300 m	Green-Yellow (GNYE)	30-32	309-61106
	4.8	2.4	0.48	300 m	White (WH)	30-32	309-61120
	4.8	2.4	0.48	300 m	Yellow (YE)	30-32	309-61055

All dimensions in mm. Subject to technical changes.



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TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Reel Length	Colour	Tools	Article-No.
TFN21 6.4/3.2	6.4	3.2	0.56	30 m	Black (BK)	30-32	309-61005
	6.4	3.2	0.56	300 m	Green-Yellow (GNYE)	30-32	309-61107
	6.4	3.2	0.56	300 m	White (WH)	30-32	309-61121
	6.4	3.2	0.56	300 m	Yellow (YE)	30-32	309-61056
TFN21 9.5/4.8	9.5	4.8	0.62	30 m	Black (BK)	30-32	309-61006
	9.5	4.8	0.62	150 m	Green-Yellow (GNYE)	30-32	309-61108
	9.5	4.8	0.62	150 m	White (WH)	30-32	309-61122
	9.5	4.8	0.62	150 m	Yellow (YE)	30-32	309-61057
TFN21 12.7/6.4	12.7	6.4	0.62	30 m	Black (BK)	30-32	309-61007
	12.7	6.4	0.62	100 m	Green-Yellow (GNYE)	30-32	309-61109
	12.7	6.4	0.62	100 m	White (WH)	30-32	309-61123
	12.7	6.4	0.62	100 m	Yellow (YE)	30-32	309-61058
TFN21 19.1/9.5	19.1	9.5	0.68	30 m	Black (BK)	30-32	309-61009
	19.1	9.5	0.68	60 m	Green-Yellow (GNYE)	30-32	309-61110
	19.1	9.5	0.68	60 m	Yellow (YE)	30-32	309-61060
TFN21 25.4/12.7	25.4	12.7	0.87	30 m	Black (BK)	30-32	309-61010
	25.4	12.7	0.87	60 m	Green-Yellow (GNYE)	30-32	309-61111
	25.4	12.7	0.87	60 m	Yellow (YE)	30-32	309-61061
TFN21 50.8/25.4	50.8	25.4	1.10	30 m	Black (BK)	30-32	309-61013
	50.8	25.4	1.10	30 m	Red (RD)	30-32	309-61047
	50.8	25.4	1.10	30 m	Transparent (CL)	30-32	309-61030
	50.8	25.4	1.10	30 m	White (WH)	30-32	309-61129
TFN21 76.2/38.1	76.2	38.1	1.20	30 m	Black (BK)	30-32	309-61014
TFN21 102.0/50.8	102.0	50.8	1.35	30 m	Black (BK)	30-32	309-61015

All dimensions in mm. Subject to technical changes.

Recommended Tools		
30	31	32
H5002	H5004	E4500

For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.



Insulation

Heat Shrinkable Tubing

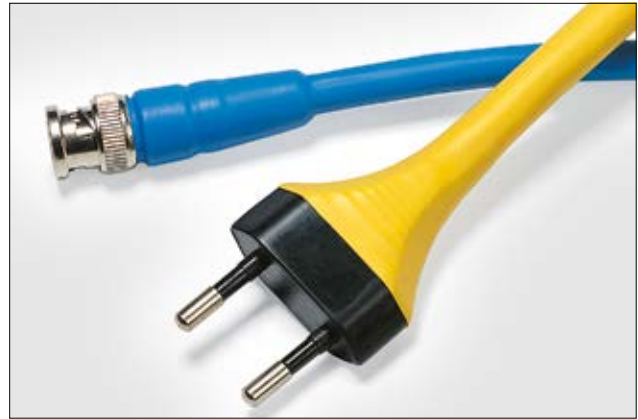
Heat shrinkable tubing 3:1 - flexible and coloured

TFN31

If higher fire protection is a requirement heat shrinkable tubing TFN31 is a good choice. It is used for protection, insulation and identification wires, cables and light duty harnesses.

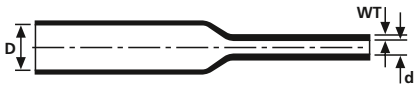
Features and benefits

- High shrink ratio (3:1)
- Few sizes cover a wide range of diameters allowing reduced inventory
- Thin wall, flexible polyolefin tubing
- Fast shrinking and low shrink temperature
- Flame-retardant, UL224 VW1 listed



Heatshrinkable Tubing TFN21 and TFN31.

MATERIAL	Polyolefin, cross-linked (PO-X)
Shrink Ratio	3:1
Operating Temperature	-50 °C to +135 °C
Min. Shrink Temperature	+70 °C
Longitudinal Change After Shrinkage	+/-5 %
Dielectric Strength	>20 kV/mm
Flammability	UL 224 VW-1



TYPE	Supplied Ø D min.	Recov. Ø d max.	Wall (WT)	Reel Length	Colour	Tools	Article-No.
TFN31 1.5/0.5	1.5	0.5	0.45	30 m	Green-Yellow (GNYE)	30-32	333-42054
	1.5	0.5	0.45	30 m	White (WH)	30-32	333-42063
TFN31 3/1	3.0	1.0	0.55	30 m	Red (RD)	30-32	333-42019
	3.0	1.0	0.55	30 m	Yellow (YE)	30-32	333-42028
TFN31 6/2	6.0	2.0	0.65	30 m	Black (BK)	30-32	333-42003
	6.0	2.0	0.65	30 m	Green-Yellow (GNYE)	30-32	333-42057
	6.0	2.0	0.65	30 m	Red (RD)	30-32	333-42021
	6.0	2.0	0.65	30 m	Yellow (YE)	30-32	333-42030
TFN31 9/3	9.0	3.0	0.75	30 m	Green-Yellow (GNYE)	30-32	333-42058
TFN31 12/4	12.0	4.0	0.80	30 m	Green-Yellow (GNYE)	30-32	333-42059
	12.0	4.0	0.80	30 m	White (WH)	30-32	333-42068
TFN31 18/6	18.0	6.0	0.90	30 m	Blue (BU)	30-32	333-42042
TFN31 24/8	24.0	8.0	1.20	30 m	Blue (BU)	30-32	333-42043
	24.0	8.0	1.20	30 m	Green-Yellow (GNYE)	30-32	333-42061
	24.0	8.0	1.20	30 m	Red (RD)	30-32	333-42025
	24.0	8.0	1.20	30 m	White (WH)	30-32	333-42070
TFN31 39/13	39.0	13.0	1.25	30 m	Black (BK)	30-32	333-42008
	39.0	13.0	1.25	30 m	Green-Yellow (GNYE)	30-32	333-42062

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Recommended Tools		
30	31	32
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