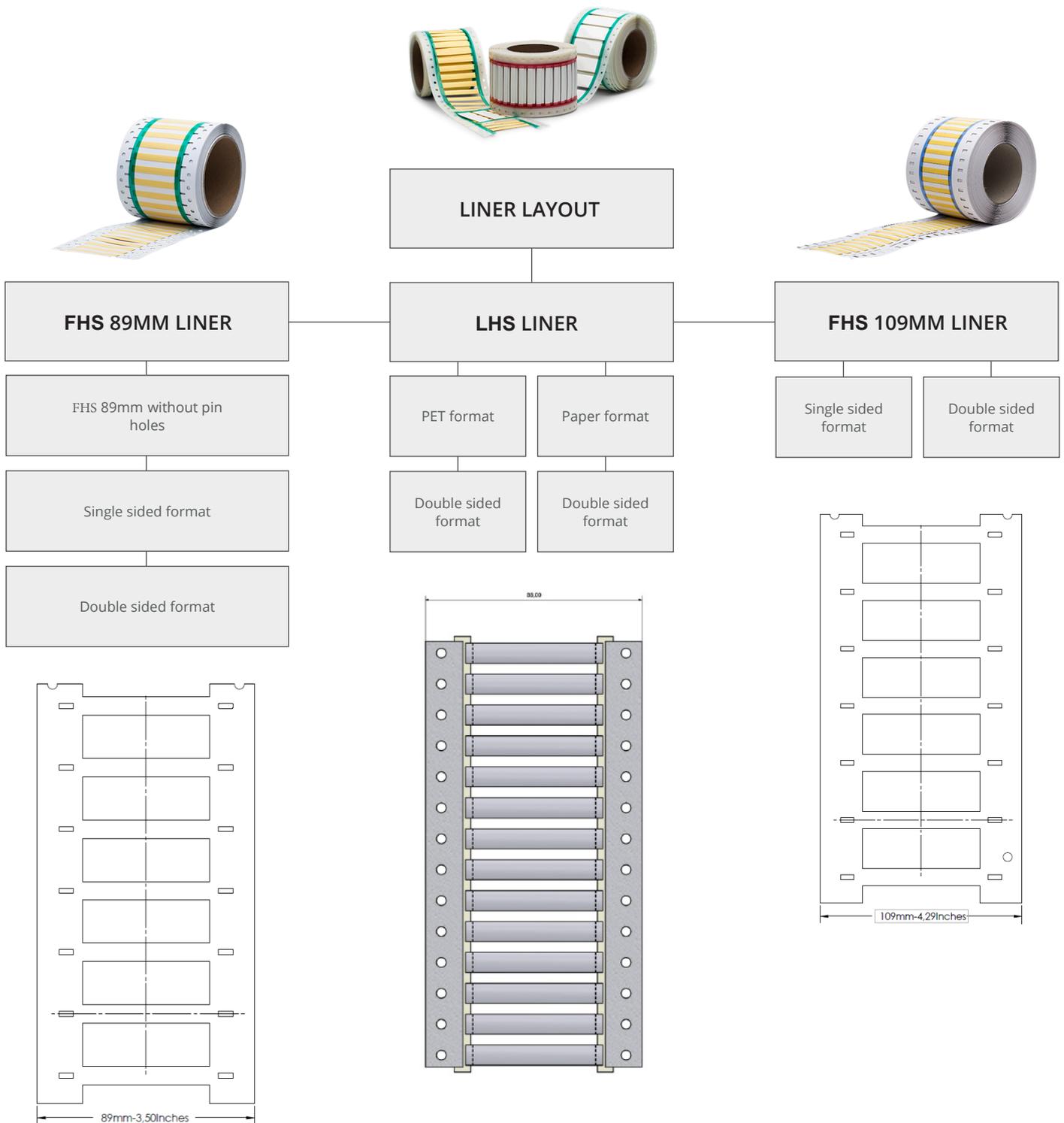


Available Formats



Available Formats

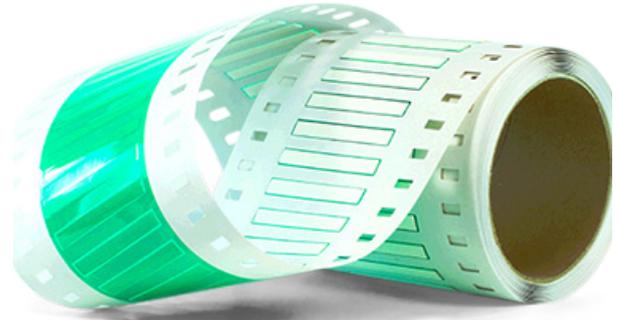
WM 89mm without pin holes

FHS 89MM LINER

WM 89mm without pin holes

Double sided format

Single sided format



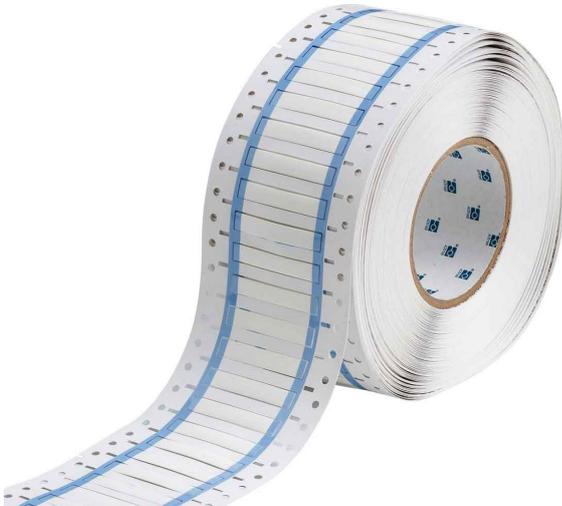
3PS with pin holes

BRADY LINER

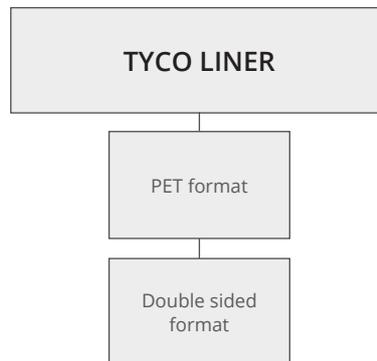
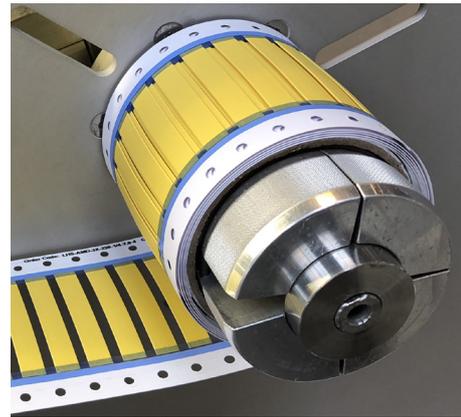
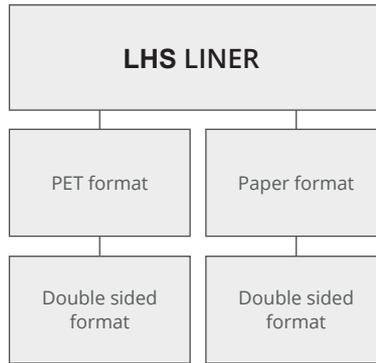
PS with pin holes

Double sided printing

Double sided printing



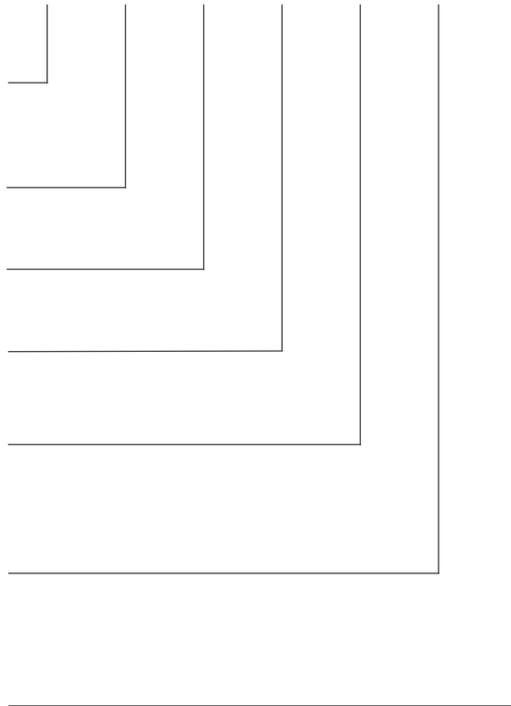
Available Formats

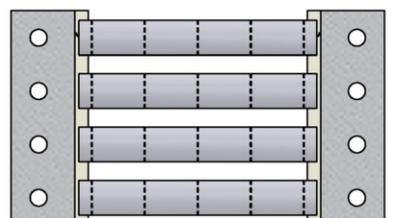
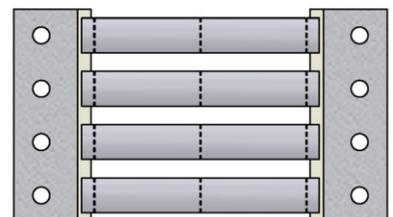
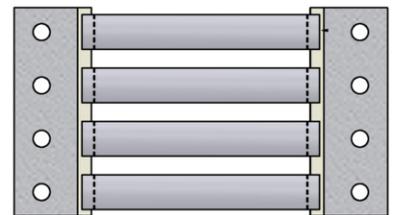
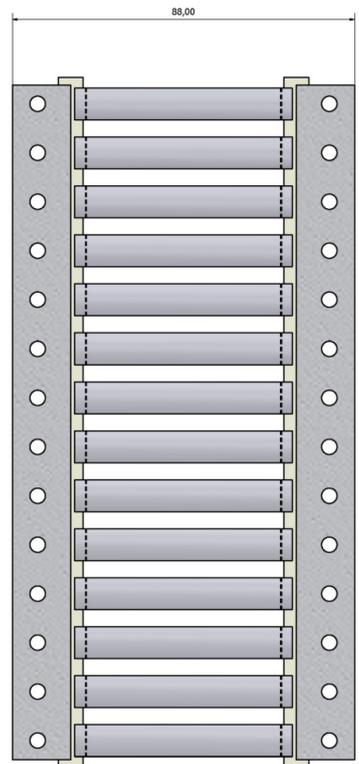


Product code

DOUBLE SIDED
Only shown if double sided

LHS - AMD - 3X - 1K - 3/32 - 2.0 - 9

FAMILY FHS = 89 mm liner FHS109= 109mm liner LHS = TMS Style	
GRADE SLEEVES See Page 3 & 4	
SHRINK RATIO If nothing shown its 2x shrink Ratio	
PACK SIZE Number of sleeves on a roll	
DIAMETER 3/32" 1/8"	
SLEEVE LENGTH 2.0 = 2.00" Wide sleeves	
COLOR 9 = White 4 = Yellow	



Available options -

SIZE MM	SIZE INCHES	STANDARD	BULK	JUMBO
2,4 x 50 mm	3/32 - 2.0	1.000	5.000	10.000
3,2 x 50 mm	1/8 - 2.0	1.000	5.000	10.000
4,8 x 50 mm	3/16 - 2.0	1.000	5.000	10.000
6,4 x 50 mm	1/4 - 2.0	1.000	3.000	6.000
9,5 x 50 mm	3/8 - 2.0	500	2.000	4.000
12,7 x 50 mm	1/2 - 2.0	500	1.500	3.000
19,0 x 50 mm	3/4 - 2.0	500	1.500	3.000
25,4 x 50 mm	1 - 2.0	300	1.000	2.000
38,1 x 50 mm	1 1/2 - 2.0	100	600	1.200
50,8 x 50 mm	2 - 2.0	100	600	1.200

Other Spool sizes on request -

Available Tube Grades

PRODUCT GROUP	TUBE GRADE	CHARACTERISTICS	COMPLIANCES
LHS-FHS-FHS109	C3	The C3- 3:1 shrink ratio, heat shrinkable wire Markers are made of, flame retardant in inch sizes heat shrinkable polyolefin tubing with ideal printability properties for identification purposes. The C3 material are fabricated to meet the material performance requirements of the AMS-DTL -23053/5 class 1 and meet the features in Airbus specification NSA 937201. The compound is also UL224 and CSA compliant. Ideal for Aerospace, military, <u>industrial</u> and energy applications. Marker sleeves meet the mark permanence requirements of AS5942 and MIL 202 Method 215K	UL224 CSA 22.2 No. 198- SAE-AMS-DTL-23053/5 SAE AS 81531 / 5942 MIL-STD-202F method 215J AMS-DTL-23053/5 AIRBUS NSA937201
LHS-FHS-FHS109	ZH	The ZH heatshrink tubing are made of halogen free, flame retardant, heat shrinkable polyolefin tubing with ideal printability properties for identification purposes. The compound of the tubing is excluded for halogens and offers excellent fire safety characteristics combined with minimal smoke emission. The material meet Boeing BS 7239 for toxic gas generation M7 specification- The ZH material is classified with EN45545-2 Class HL3 requirement set R22 (interior) and R23 (exterior) and be used without any restriction for any application.	EN 45545-2 HL3, R22/R23 LUL 1-085 A3 compliant BS 6853 (1999) cat 1a DIN5510-2 UNI CEI 11170-3 NF F 16 101 ASTM E 662, BSS 7239 SAE AS 81531 / 5942 MIL-STD-202F method 215J
LHS-FHS-FHS109	LFH	The LFH printable heatshrink tubing are made of halogen free, flame retardant and low smoke heat shrinkable polyolefin tubing with ideal printability properties for identification purposes. The compound of the tubing is excluded for halogens and offers excellent low fire hazard characteristics combined with minimal smoke emission.	UL224 CSA 22.2 No. 198- SAE AS 81531 / 5942 MIL-STD-202F method 215J EN50343 Annex H Section H.3
LHS-FHS-FHS109	LFH-3X	The LFH printable heatshrink tubing are made of halogen free, flame retardant and low smoke heat shrinkable polyolefin tubing with ideal printability properties for identification purposes. The compound of the tubing is excluded for halogens and offers excellent low fire hazard characteristics combined with minimal smoke emission.	UL224 CSA 22.2 No. 198- SAE AS 81531 / 5942 MIL-STD-202F method 215J EN50343 Annex H Section H.3
LHS-FHS-FHS109	HT	The HT printable heatshrink tubing are made of semi flexible highly flame retardant polyvinylidene fluoride tubing. High temperature rated thin wall markers with high transparency. Excellent chemical resistance to most industrial fuels, chemicals, solvents and high degree of mechanical strength properties suitable for aerospace, defense and mass transit applications. It is inherently flame retardant, semi-rigid and highly resistant to most industrial fuels, chemicals and solvents.	UL224 SAE-AMS-DTL-23053/8 SAE AS 81531 / 5942 MIL-STD-202F method 215J
LHS-FHS-FHS109	DR	The DR printable is printable irradiated cross linked, flame retardant, semi-rigid, diesel oil resistant heat shrinkable polyolefin tubing. Especially suitable for railways and complies with SNCF requirements NF F 00608 cat. A & H. Used where resistance to organic fluids, common fuels, lubricants and solvents properties are required for use in mass transit, aerospace, marine and industrial installations.	NF F 00-608 Class A & H UL224 SAE-AMS-DTL-23053/6 Class 1 SAE AS 81531 / 5942 MIL-STD-202F method 215J
LHS-FHS-FHS109	AMD	The AMD printable heatshrink are made of highly flame retardant, self-extinguishing and very flexible heat shrinkable polyolefin tubing with ideal printability properties for identification purposes within aerospace, military and defence specified applications. UL VW1/CSA recognized and complies to AMS-DTL-23053/5 Class 1&3. This heatshrink are very versatile through excellent balance of chemical, electrical and mechanical properties.	UL224 SAE-AMS-DTL-23053/5 SAE AS 81531 / 5942 MIL-STD-202F method 215J
LHS-FHS-FHS109	AMD-3X	The AMD printable heatshrink are made of highly flame retardant, self-extinguishing and very flexible heat shrinkable polyolefin tubing with ideal printability properties for identification purposes within aerospace, military and defence specified applications. UL VW1/CSA recognized and complies to AMS-DTL-23053/5 Class 1&3. This heatshrink is very versatile through excellent balance of chemical, electrical and mechanical properties.	UL224 SAE-AMS-DTL-23053/5 SAE AS 81531 / 5942 MIL-STD-202F method 215J
LHS-FHS-FHS109	3-1	The 3-1 heatshrink tubing are made of halogen free, flame retarded, heat shrinkable polyolefin tubing with ideal printability properties for identification purposes. The compound of the tubing is excluded for halogens and offers excellent fire safety characteristics combined with minimal smoke emission. Material: Irradiated cross-linked flexible flame-retarded polyolefin Shrink Temperature: Min 90 dgc.	SAE-AMS-DTL-23053/5 class 1&3 UL224 600V VW-1 rating CSA 22.2 No. 198.1-98 SAE AS 81531 / 5942 MIL-STD-202F method 215J
LHS-FHS-FHS109	ZHR	ZHR-2X and 3X Heat Shrinkable Wire Markers are made of halogen free, flame retardant and low smoke heat shrinkable polyolefin tubing with ideal printability properties for identification purposes, which provides fluid resistance as per EN50343. This product meets rail standards EN50343 Appendix H and EN45545-2 requirement set R22/R23 hazard level classification 1 and 2. The compound of the tubing is excluded for halogens and offers excellent low fire hazard characteristics combined with minimal smoke emission. It can also be used for applications where limited fire hazard characteristics are necessary.	Diesel Resistance: EN50343 annex H (section 6.6) Fire Propagation: EN45545-1 HL3, R22-R23 Chemical and Diesel Resistance: EN50343 annex H (section 6.6) MIL-STD-202F Method 215J Mark Permanence: EN50343 annex H (section 6.6) & SAE AS-5942

This information and data is believed to be accurate and reliable. Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of this date, JIT Identification Products makes no representations as to the completeness or accuracy thereof. We place at your disposal the technical information necessary for the correct use of our products. As conditions and methods of use are beyond our control, that the person receiving the same will make their own determination as to the suitability for their purpose. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

Material comparison



Material Brady	Prefix Brady	Material Tyco	Material Link Solutions	Description	Shrink Ratio	Temp. Range	Specification	Compliance
B-342	PS: Single sided 3PS: Double Sided	TMS-SCE	AMD 3:1	Industrial/Military Grade	3:1	-67°F to 275°F (-55°C to 135°C)	SAE-AS23053/5 SAE-AS-5942	RoHS - REACH
B-344	2FR: Double Sided 3FR Double Sided.	D-SCE Exclusive N F00-608	DR	Fluid Resistant	3:1 or 2:1	-67°F to 275°F (-55°C to 135°C)	SAE-AS-23053/6 (Class 1) SAE-AS-5942	RoHS - REACH
B-345	2HT: Double sided	HT-SCE	HT	High- Temperature resistant	2:1	-67°F to 437°F (-55°C to 225°C)	NASA SP-R-0022A outgassing SAE-AS-23053/18 SAE-AS-5942	RoHS - REACH
B-7641	LSZH: Single Sided 2LSZH: Double-sided	HX-SCE	ZH	Low Smoke, Zero Halogen	2:1	-22°F to 221°F (-30°C to 105°C)	EN45545-2 HL3 Unlimited usage in all vehicles	RoHS - REACH
B7642	HX: single sided 2HX: Double sided	HS	AMD 2:1	Industrial / Military Grade	2:1	-40°F to 248°F (-40°C to 120°C)	SAE-AS23053/5 Class 1 and 3 SAE-AS-5942	RoHS - REACH
B-7646	DR: Double sided	D-SCE	DR	Diesel Resistant	3:1	-55°F to 135°F (-40°C to 57°C)	NF F 00-608 Type A and H SAE-AS-5942	RoHS - REACH
N/A	N/A	ZHD-SCE	ZHR	Low Fire Hazard Fluid resistant	2:1 or 3:1	-55°F to 135°F (-40°C to 57°C)	EN50343 annex h EN45545-2 HL 3, R22/23 NFF16-101 MIL-STD-202F Method 215j SAE-AS-5942	RoHS - REACH
		RPS-SCE	C3	Commercial Aerospace, military, industrial and energy applications	3:1	-22°F to 221°F (-30°C to 105°C)	CSA 22.2 SAE-AMS-DTL-23053/5 Class 1 SAE-AS-81531 / 5942 MIL- STD-202G Method 215K UL 224 - E228117 CSA - C22.2 No. 198.1-06 Self-extinguising	RoHS - REACH

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Ordering description

ORDERING DESCRIPTION EXAMPLES	STANDARD PACK SIZE	SUPPLIED DIAMETER		RECOVERED DIAMETER		RECOMMENDED USE RANGE (MIN-MAX)	
		pcs	mm	inches	mm	inches	mm
Family-Tube Grade-3X-3/32-2.0-Color	1.000	2,4 x 50mm	3/32-2.0	0.7	0.031	0.8-1.9	0.032-0.075
Family-Tube Grade-3X-1/8-2.0-Color	1.000	3,2 x 50mm	1/8-2.0	1.0	0.042	1.1-2.6	0.044-0.105
Family-Tube Grade-3X-3/16-2.0-Color	1.000	4,8 x 50mm	3/16-2.0	1,5	0.062	1.7-4.0	0.069-0.160
Family-Tube Grade-3X-1/4-2.0-Color	1.000	6,4 x 50mm	1/4-2.0	2.3	0,095	2.3-5.4	0.091-0.215
Family-Tube Grade-3X-3/8-2.0-Color	500	9,5 x 50mm	3/8-2.0	3.1	0.125	3.4-8.1	0.137-0.320
Family-Tube Grade-3X-1/2-2.0-Color	500	12,7 x 50mm	1/2-2.0	4.75	0,187	4.6-10.7	0.183-0.425
Family-Tube Grade-3X-3/4-2.0-Color	500	19,0 x 50mm	3/4-2.0	6.35	0.250	6.9-16.2	0.275-0.640
Family-Tube Grade-3X-1-2.0-Color	300	25,4 x 50mm	1-2.0	8.47	0.33	9.2-21.5	0.366-0.850
Family-Tube Grade-3X-1-1/2-2.0-Color	100	38,1 x 50mm	1 1/2-2.0	12.9	0.51	20.9-33.0	0.825-1.300
Family-Tube Grade-3X-2-2.0-Color	100	50,8 x 50mm	2-2.0	17.2	0.68	27.9-44.9	1.100-1.750