



TECHNICAL DATA

GARMENT REQUIREMENTS NFPA 1971, 2018 EDITION

Note: New or Revised requirements are indicated by an * and the revision text is bolded

ITEM	DESIGN REQUIREMENT
Garment Composite	Outer shell, thermal liner, & moisture barrier; configured as single or multiple layers
*Liner System	Required to have thermal & moisture barrier & means to secure to shell. Must have access opening
Liner Attachment	Means of securing liner to shell; No more than 1" between liner system and coats sleeves or pant legs and no expandable attachments
Liner Coverage	Extend to neckline of coats, waistline of pants, within 1" of coat cuffs, and within 3" of hems on coats and pants.
Garments & Closure Systems	Must provide continuous moisture & thermal protection; Secured with positive fasteners (hooks & dees or zippers). Hook & loop is considered a non-positive closure and as such can only be used as supplemental to the positive closure.
Collar	Minimum 3" in height, consisting of shell, thermal and moisture barrier or materials meeting those requirements; must have closure system.
Sleeves	Liner 1" from cuff, Must have close fitting wristlet
Hardware	Free of rough spots, burrs, or sharp edges; Inward facing hooks w/3 attachment points; Cannot penetrate through all three layers unless covered
Sewing Thread	Inherently flame resistant
Cargo Pockets	Means of drainage and flaps with closure
Metallic Closure Systems/Metal Components	Shall not contact body; unless covered by closure flap
Harnesses, Ladder Belts and Escape Belts	When these penetrate shell, are part of closure system, or are attached to garment, must meet NFPA 1983 and optional flame resistance requirements of that standard
Sizing	<ul style="list-style-type: none"> • Male & female patterns • Chest Men 34-60; Female 28-50 in 2" increments or to order • Sleeves M: 32-38; F: 28-34 in 1" increments or to order • Waist M: 30-60; F: 28-50 in 2" increments or to order • Lengths M: 26-36; F: 24-34 in 2" increments or to order
Drag Rescue Device Required in Coats	Accessible from exterior of coat; able to be deployed with gloved hand while wearing SCBA; designed to prevent accidental deployment and such that incapacitated fire fighter is secured by the upper torso so DRD pulls on body and not only garment.
Coats Required to Have Wristlet	Permanently attached and designed so as not to allow any gap in thermal protection. Wristlet fabric tested for flame, heat resistance, and for cleaning and thermal shrinkage. Additionally, wristlets must have a TPP value of 20, and knit wristlets must have a burst strength of not less than 51 lbs.



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Reinforcements	Must meet all flame and heat requirements of standard; Proximity specifically prohibits non reflective reinforcements, with the exception of 1" cuffs at coat and pant hems.
ADDITIONAL DESIGN REQUIREMENTS FOR STRUCTURAL GARMENTS	
Trim	Retroreflective & fluorescent trim in stated placements and must appear to be continuous; must be minimum 2" wide; retroreflective surface at least 5/8" wide with a minimum fluorescent surface of 50 mm ² . Gaps not to exceed 1" allowed on coat inner sleeve and pant inseams or wherever there is a zipper. No vertical stripes on coat fronts. Proximity specifically prohibits trim
ADDITIONAL DESIGN REQUIREMENTS FOR PROXIMITY GARMENTS	
Collar	Minimum 3" in height, consisting of shell, thermal and moisture barrier or materials meeting those requirements; must have closure system. Collar lining shall not be reflective.
Reinforcements	Must meet all flame and heat requirements of standard; Proximity specifically prohibits non reflective reinforcements, with the exception of 1" cuffs at coat and pant hems.