

109. AVALANCHE CORD

QUALITATIVE REQUIREMENTS	PICTURE OF EQUIPMENT
<p>This specification covers the requirement of cord avalanche. The cord is intended to be used as an aid to trace the casualty in avalanche operation so that the rescue party could reach the location.</p> <p>The cord shall conform in every respect to the terms of this specification in workmanship, finish and in all other respect not defined in this specification. It shall conform to the sealed sample held in custody of controlling authority.</p> <p>Material :- The core ends of cord shall be made from continuous 140 Tex (1260d) nylon 6 or 66 multifilament yarn of adequate tenacity to give the desired strength and be given heat treatment. The sheath yarn shall be made from nylon (6 or 66) or polyester and shall be dyed with fluorescent dye count/denier of the yarn can be varied suiting to the construction and finish of the cord.</p> <p>Manufacture, workmanship and finish:- The cord shall be in braided construction with core. The core shall be in one continuous length and shall be well formed and free from knots, suborn stains. All constituent yarns of cord shall have proper tension during manufacture so as to obtain uniform diameter with round cross section and appropriate flexibility.</p> <p>2) There shall be 10 undyed core ends and 16 dyed spindle ends in sheath. Out of 16 spindles, 14 spindles shall be fast bright yellow colour and 2 spindles of fast bright blue colour. Interpolating of sheath, 2 spindles of blue colour shall be put adjacent to each other in group spindles moving in the same direction in order to obtain required pattern of the braiding. The cord shall be smooth in feel and free from slackness of sheath and core looping tendency.</p> <p>3. The cord shall be tendered in 35m continuous length a length of 3 m from any of the end shall be cut tested for characteristics in clause 5 & 6 below in accordance with the sampling plan mentioned in para 9 in case of lot is found acceptable both the ends of the cord shall be heated sealed. The cords from which 3 m, length has been cut for destructive testing shall be accepted in 32 m length and length of such cord shall be clearly mentioned by the supplier on the marking level attached indicating that 3m length has been destroyed in testing.</p> <p>4. In appearance, general workmanship, finish and in any other respect not defined in the specification the cord shall match with the respective sealed sample held in the custody of controlling authority.</p>	

<p>CONSRUCTION PARTICULAR particular of card shall be as under.</p> <ol style="list-style-type: none">1. Sheath<ol style="list-style-type: none">a) Count -1260 dx1b) No of spindles – 16 (yellow 14) (blue -2)2. Core<ol style="list-style-type: none">a) Count -1260 dx2 (twisted together)b) No of core ends-10 <p>The construction details of the cord may be varied to suit the manufacturing condition provided the finish and requirement as given in clause 6 are successfully met.</p>	
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