

PREMIER CORD

High Quality Safe Products



**Waterproof Detonating Fuse
with high tensile strength and
abrasion resistance**



Premier Explosives Limited

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Characteristics	Premiercord-5	Premiercord-6	Premiercord-10	Premiercord-12	Premiercord-20	Safcord-40	Premiercord-80
Nominal Diameter (mm)	4.00 +/- 0.10	4.00 +/- 0.10	4.80 +/- 0.10	5.50/- 0.10	6.8 +/- 0.5	8.8 +/- 0.5	12.0 +/- 0.5
PETN Core Load (g/m)	4.5 – 5.5	4.5 – 5.5	9.5 – 10.5	11 – 13	18 – 22	38 – 42	75 – 85
Approx. Wt per meter (g/m)	18 +/- 1	18 +/- 1	22 +/- 1	24 +/- 1	40 +/- 2	80 +/- 4	160 +/- 5
Tensile strength (Kg)	>60	>60	>60	>70	>75	>75	>75
VOD (mtr/sec)	6800 +/- 300	6800 +/- 300	6800 +/-300	6800 +/- 300	6800+/-300	6800+/-300	6800 +/- 300
Water Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Colour	As required	As required	As required	As required	As required	As required	As required
Reels/case X m/reel / m/case	4 x 375 1500	4 x 375 1500	4 x 250 1000	4 x 250 1000	4 x 250 1000	4 x 100 400	4 X 50 200
Shelf Life	>2 years Under recommended storage conditions	>2 years Under recommended storage conditions	>2 years Under recommended storage conditions	>2 years Under recommended storage conditions	>2 years Under recommended storage conditions	>2 years Under recommended storage conditions	>2 years Under recommended storage conditions

Premier cord is a reliable, flexible, waterproof detonating fuse with high tensile strength and abrasion resistance. It is an ideal means of transmitting detonation from a detonator to an explosive charge. Premier cord is designed for use as trunk lines, in mining, quarrying, construction and infrastructure applications. Premier cord has a core of PETN (Penta Erythritol Tetra Nitrate) with two centre cotton yarns to ensure continuous and uniform core charge. The core is encapsulated in a BOPP tape and is provided with PP Yarns and Cotton Yarns counterings. These provide the required tensile and jerk strength for reliability even in deep holes. Premier cord is provided with a final PVC covering for ensuring water proofness and abrasion resistance.

Recommendations:

- Always cut the detonating cord with a sharp non-sparking knife on a non-ferrous block.
- To avoid spillage of PETN and ingress of moisture into the yarn encasement the cord ends should be sealed with tape immediately after cutting.
- Avoid knots and loops on the cord during charging. This could result in detonation interruption.

Packing

Premier cord is wound on plastic spools which are packed in 7 ply corrugated fibre board boxes and secured by 2 No's of HDPE straps.

Storage:

Store under moderate temperature and dry conditions in a well ventilated, approved magazine licenced for Class 1.1 D explosives.

Transport:

PESO Rules : Class 6, Division 2
U N Classification : Class 1.1D,
UN No. 0065

Advantages:

- Safe, reliable and user friendly
- Excellent resistance to oil and water penetration
- Good flexibility and secure knot tying and holding ability.
- High tensile strength to withstand large force within vertical holes.
- Ragged abrasion resistance finish.

USES :

- ➔ **5 g/m -6 g/m** core load detonating cord is generally used for secondary blasting/plaster shooting in opencast mines. Also used for trunk line connection in opencast mines.
- ➔ **10 g/m – 12 g/m** core load detonating cord is used for down line connections, long hole blasting etc, for initiation of boosters and for trunk line connections also.
- ➔ **20 g/m, 40 g/m and 80 g/m** are used for special application such as seismic prospecting, pre-splitting, smooth blasting etc.

