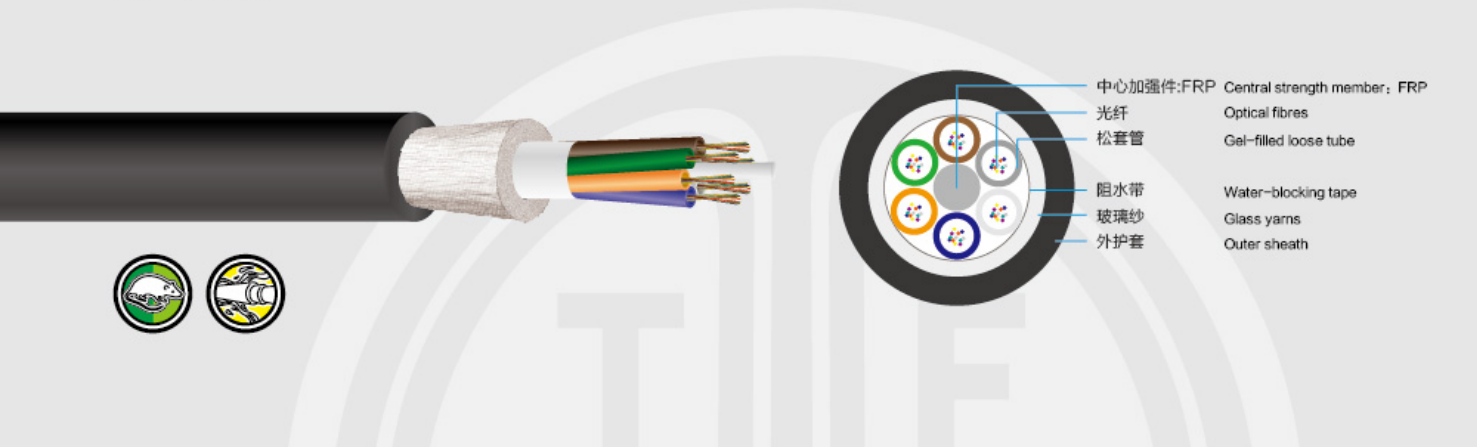## 松套层绞式非金属防鼠光缆（LTC RP）
Loose Tube Non-metallic Rodent Protection Cable

LTC RP光缆的结构是将光纤套入PBT松套管中，松套管内填充防水化合物。缆芯的中心是一根非金属加强芯，对于某些芯数的光缆来说，非金属加强芯外还需挤上一层垫层。松套管（和填充条）围绕中心加强芯绞合成紧凑和圆形缆芯，缆芯内的缝隙充以吸水膨胀性非油性阻水填充物。缆芯外绕包玻璃纱，玻璃纱外挤制聚乙烯护套成缆。

The fibres are positioned in a loose tube made of PBT. The tube is filled with a water-resistant filling compound. A fibre reinforce plastic locates in the center of core as a non-metallic strength member. The tubes (and the fillers) are stranded around the strength member into a compact and circular core. And then the core wrapped with the swelling tape longitudinally. Then the core is covered with a layer of glass yarn as strength member. The cable is completed with a PE outer sheath.

中心加强件:FRP   Central strength member：FRP
光纤   Optical fibres
松套管   Gel-filled loose tube
阻水带   Water-blocking tape
玻璃纱   Glass yarns
外护套   Outer sheath

- 敷设方式 Installation

  管道、非自承架空   Duct, Non self-supporting aerial

- 产品特点 Characteristics

  1.非金属加强件和层绞结构设计保证光缆具有很好的机械性能和温度特性   Excellent mechanical and temperature performance

  2.套管内部填充缓冲油膏，既保护光纤又起到防水作用   Special tube filling compound ensure a critical protection of fibre and resist the water

  3.采用松套管层绞，保证光缆结构稳定   Loose tube stranding cable core ensures the cable structure stable

  4.干式缆芯设计，缆芯外包阻水带可有效防水   Dry cable core design, better Anti-water by the swell tape

  5.绕包玻璃纱可有效防鼠和大幅提升抗拉强度   Glass yarn strength member enlarge the tensile strength and make the cable rodent protected

  6.外护套具有很好的抗紫外辐射性能   Outer sheath protects cable from ultraviolet radiation

  7.可选择阻燃外护套，具有良好的阻燃性能   Optional flame retardance outer sheath

- 应用范围 Applications

  电力领域通讯和通讯行业长途、局间通信以及FTTx   LAN communication and FTTx

- 产品标准 Standards

  IEC 60794-3-10

温度范围 Temperature Range		
存储温度 Transportation	安装温度 Installation	运行温度 In use
−40℃~+70℃	−5℃~+50℃	−40℃~+70℃

LTC RP

光纤数量 Fibre count	缆芯结构 Configuration 管数x芯数 tubesxfibres	填充条数量 Filler number	外径 Outer diameter	重量 Mass	最小弯曲半径 Minimum bend radius		允许拉伸力 Tensile strength		允许压扁力 Crush resistance
					动态 Dynamic	静态 Static	短期 short term	长期 long term	
			mm	kg/km	mm	mm	N	N	N/10cm
4	2x2	4	10.6	90	20D	10D	4600	4500	2500
6	3x2	3	10.6	90	20D	10D	4600	4500	2500
8	4x2	2	10.6	90	20D	10D	4600	4500	2500
12	6x2	0	10.6	90	20D	10D	4600	4500	2500
24	6x4	0	10.6	90	20D	10D	4500	4000	2500
36	6x6	0	10.6	90	20D	10D	4200	3500	2500
48	6x8	0	11.5	105	20D	10D	4900	4300	2500
60	5x12	1	11.5	105	20D	10D	4400	3300	2500
72	6x12	0	11.5	105	20D	10D	4400	3300	2500
96	8x12	0	13.1	135	20D	10D	5000	3600	2500
120	10x12	0	14.6	165	20D	10D	5200	4300	2500
144	12x12	0	16.3	205	20D	10D	5500	4500	2500
288	12x24	0	16.5	215	20D	10D	7000	4000	3000

注：以上参数仅供参考。
Remark: The above datasheets are just for reference.