

DUCT – 144 G.652D

Cable cross-section and dimensions

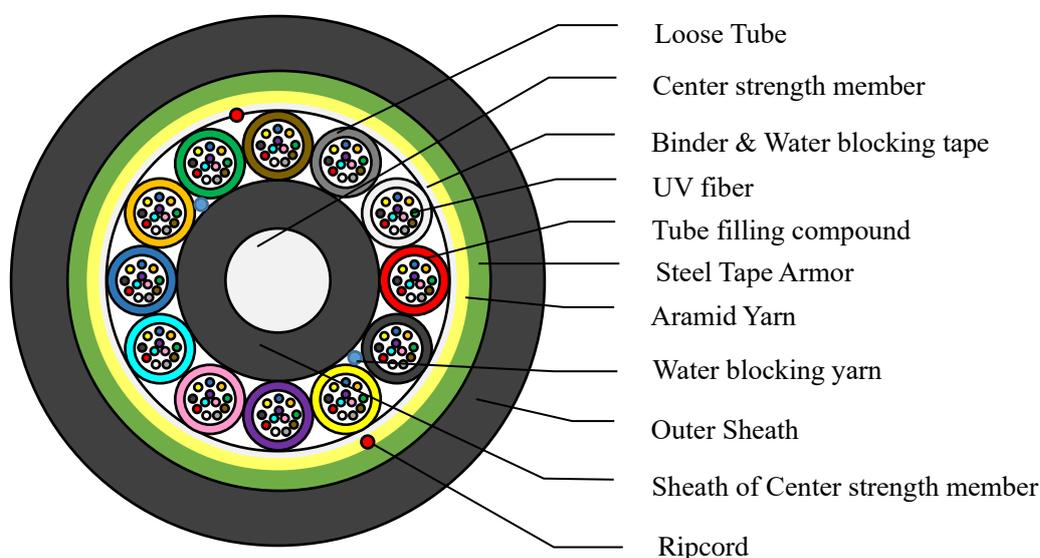


Figure. Cable Cross-Section (A-end)

Item	Material	Description
Outer sheath	HDPE	HDPE
Steel tape armor	Steel tape	Steel tape
Ripcord	Polyester	2 ripcords below outer sheath
Aramid yarns	Aramid yarns	Additional strength member
Binder	Polyester yarn	Cable core binding
Water blocking yarn	Water blocking yarn	Water blocking & moisture proof
Water blocking tape	Water blocking tape	Water blocking & moisture proof
Loose tube	PBT	Colors of tubes: blue, orange, green, brown, grey, white, red, black, yellow, purple, pink, aqua
Tube filling compound	Thyrotrophic gel	Water Blocking & moisture proof
UV fiber	Silicon-based fiber(G.652D)	UV fiber, color with: blue, orange, green, brown, grey, white, red, black, yellow, purple, pink, aqua
Center strength member	FRP	FRP
Cable O.D.	$16.8 \pm 0.5\text{mm}$	
Cable weight	$250 \pm 30 \text{ kg/km}$	

Cable main mechanical properties and application

Serial No.	Item	Requirement
1	MAT	2700N
2	Allowable crush resistance (N)	1000N /10cm
3	Operation temperature	-40 ° C +70° C
4	Appliacion	DUCT