CTC

Heat shrink sealing caps
for low voltage single-core cables
polyolefin with hot melt sealant

APPLICATIONS

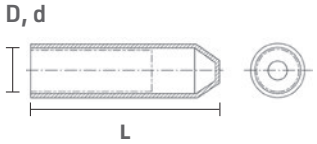
- Cable end sealing for low voltage single-core cables up to 0.6/1 kV
- Sealing and protection of cable end during transportation and laying

KEY FEATURES

- Excellent mechanical protection
- Resistant to chemical agents and weathering
- Excellent electrical insulation
- Excellent sealing
- UV resistant

cores	ref.	item	cable diameter range (mm)	D/d (mm)	L (mm)	pk. (pcs)	min./ mult. ord. qty (pcs)
	PP00104	CTC-10/4	4 – 8	12/4	40	3	3
	PP02075	CTC-20/7,5	8 – 16	20/7,5	55	3	3
	PP03515	CTC-35/15	16 – 35	40/15	90	3	3
●	**PP05525**	CTC-55/25	25 – 47	55/25	125	3	3
	PP07532	CTC-75/32	35 – 68	75/35	140	3	3
	PP10045	CTC-100/45	45 – 90	100/45	160	3	3
	PP12070	CTC-120/70	64 – 120	130/60	160	3	3

D Supplied diameter
L Minimum supply length
d Recovered diameter after free shrinkage



Dielectric strength (ASTM D149)
12 kV/mm (min)

Volume resistivity (ASTM D257)
1×10^{14} Ω·cm (min)

Relative permittivity (ASTM D150)
5 (max)

Density (ASTM D792)
1.05±0.2 g/cm³

Hardness (ASTM D2240)
45±10 SHORE D

Tensile strength (ASTM D638)
12 MPa (min)

Elongation (ASTM D638)
350 % (min)

Low temperature flexibility
(ASTM D2671)
No cracking
after 4 hours at –40°C

Continuous operating temperature
(IEC 60216)
-40 °C / +110 °C

Water absorption (ASTM D570)
0.2% max

Accelerated ageing (ASTM D2671)
after 500 hours at 120°C

Tensile strength (ASTM D638)
11 MPa (min)

Elongation (ASTM D638)
300 % (min)

TBT

Heat shrink pre-moulded parts
breakout boot for low voltage 2 to 5 core cables
polyolefin with hot melt sealant

APPLICATIONS

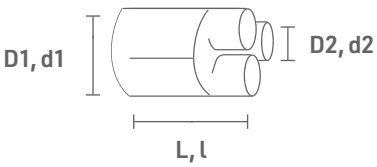
- Sealing and protection of cable crutch in low voltage multi-core cables up to 0.6/1 kV from 2 to 5 cores

KEY FEATURES

- Excellent mechanical protection
- Resistant to chemical agents and weathering
- Excellent electrical insulation
- Excellent sealing
- UV resistant

cores	ref.	item	conductor cross-section range (mm^2)	D1/d1 (mm)	D2/d2 (mm)	L/l (mm)	pk. (pcs)	min./ mult. ord. qty (pcs)
TBT/B		2-core cable breakout boot						
	PP20025	TBT/B-25	5 – 25	32/10	14/4	70/85	3	3
●●	**PP20150**	TBT/B-150	35 – 150	60/20	24/7	95/120	3	3
	PP20300	TBT/B-300	185 – 300	70/22	30/8	95/120	3	3
TBT/T		3-core cable breakout boot						
	PP30035	TBT/T-35	4 – 35	36/14	15/4	80/100	3	3
	PP30150	TBT/T-150	50 – 150	60/20	25/8	160/188	3	3
●●●	**PP30300**	TBT/T-300	185 – 300	80/30	36/13	185/215	3	3
	PP30500	TBT/T-500	185 – 500	110/45	55/21	200/235	3	3
	PP30630	TBT/T-630	400 – 630	140/56	68/28	215/250	3	3

D1, D2 Supplied diameter
d1, d2 Recovered diameter (after free shrinkage)
L Supplied length (minimum)
l Recovered length (after free shrinkage)



TBT/T Application table for sealing cable crutch in Medium Voltage cables

item	application diameter (mm)		rated voltage U_0/U (U_m) (kV)				
			3.6/6 (7.2)	6/10 (12)	8.7/15 (17.5)	12/20 (24)	18/30 (36)
	outer sheath	core insulation	conductor cross-section (mm^2)				
TBT/T-150	23-58	11-22	10-120	10-70	16-50	16-25	-
TBT/T-300	30-77	15-32	50-240	25-150	25-150	25-95	25-50
TBT/T-500	48-105	25-48	95-500	70-400	35-300	35-300	35-180
TBT/T-630	62-160	32-54	95-630	70-500	35-400	35-400	35-400

TBT

Heat shrink pre-moulded parts

breakout boot for low voltage 2 to 5 core cables
polyolefin with hot melt sealant

cores	ref.	item	conductor cross-section range (mm^2)	D1/d1 (mm)	D2/d2 (mm)	L/l (mm)	pk. (pcs)	min./ mult. ord. qty (pcs)
TBT/Q	4-core cable breakout boot							
	PP40035	TBT/Q-35	4 – 35	41/16	14/4	80/100	3	3
	PP40070	TBT/Q-70	50 – 70	50/17	17/4	80/95	3	3
	PP40150	TBT/Q-150	95 – 150	58/26	20/7	140/170	3	3
	PP40300	TBT/Q-300	185 – 300	125/44	40/14	170/208	3	3
TBT/P	5-core cable breakout boot							
	PP50010	TBT/P-10	4 – 10	32/11	10/3	55/75	3	3
	PP50050	TBT/P-50	16 – 50	57/17	15/4	80/110	3	3
	PP50095	TBT/P-95	70 – 95	80/32	26/8	155/190	3	3
	PP50240	TBT/P-240	120 – 240	100/33	32/8	145/190	3	3

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d1, d2 Recovered diameter (after free shrinkage)
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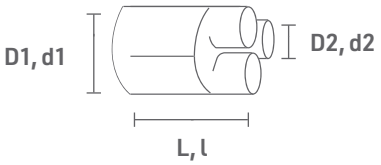

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