

Conductor and Insulation Shield

DENSITY

1.140

Hanwha Wire and Cable Compound CTBA-8740BK is a semiconductive compound for conductor and bonded insulation shielding of high voltage(154kV) power cables. CTBA-8740BK has an excellent electrical conductivity, scorch stability and surface smoothness.

■ **Outstanding Properties**

Excellent Electrical Properties
 Excellent Surface Smoothness
 Excellent Crosslinking Characteristics
 Good Heat Resistance

■ **Processing Conditions**

Extrusion Temperature : 100~120℃
 Cure Temperature : 390~320℃

■ **Specifications**

Hanwha CTBA-8740BK meets the applicable requirements as below :
 ICEA S-66-524, NEMA WC 7
 AEIC CS5, CS7
 IEC 60502, 60840

BS 6622
 VDE 0263, 0276

■ **Properties**

Physical Properties	Unit	Test Method	Value
Density	g/cm ³	ASTM D1505	1.140
Tensile Strength	kg/cm ²	ASTM D638	150
Elongation	%	ASTM D638	190
Oven Aging, 7 days @ 136℃		ASTM D638	
Tensile Strength Retention	%		>90
Elongation Retention	%		>85
Low Temperature Brittleness	℃	ASTM D746	<-40
Moisture Content	ppm	Karl Fischer	<300
Electrical Properties	Unit	Test Method	Value
DC Volume Resistivity			
23℃	ohm · cm	ASTM D257	<100
90℃			<500

* Values are typical : not to be construed for specification.

<http://hcc.hanwha.co.kr>