



CSTA Direct Burial Fibre Optic Cable 50/125 (OM3)

Applications:	This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections; as well as fibre to the home drop and access connections. With its LSZH sheathing this cable is ideal for indoor/outdoor mixed installation. The cable, having a corrugated steel tape armouring is rodent proof and is well suited for installation in ducts and on trays, indoor as well as outdoor. The cable is excellent for direct burial with proper sand back filling.																																																
Loose tube:	ø2.8 mm jelly filled loose tube with 2 – 16 fibres; ø3.5 mm loose tube with 24 fibres																																																
Strength member:	E-Glass yarns																																																
Armour:	0.15 mm corrugated steel tape																																																
Sheath/Jacket:	1.5 mm LSZH sheath, UV stabilised, EN 50290-2-27																																																
Fibre colour code:	<table> <tr><td>1</td><td>Red</td><td>13</td><td>Yellow w/mark per 70 mm</td></tr> <tr><td>2</td><td>Green</td><td>14</td><td>White w/mark per 70 mm</td></tr> <tr><td>3</td><td>Blue</td><td>15</td><td>Grey w/mark per 70 mm</td></tr> <tr><td>4</td><td>Yellow</td><td>16</td><td>Turquoise w/mark per 70 mm</td></tr> <tr><td>5</td><td>White</td><td>17</td><td>Orange w/mark per 70 mm</td></tr> <tr><td>6</td><td>Grey</td><td>18</td><td>Pink w/mark per 70 mm</td></tr> <tr><td>7</td><td>Brown</td><td>19</td><td>Yellow w/mark every 35 mm</td></tr> <tr><td>8</td><td>Violet</td><td>20</td><td>White w/mark every 35 mm</td></tr> <tr><td>9</td><td>Turquoise</td><td>21</td><td>Grey w/mark every 35 mm</td></tr> <tr><td>10</td><td>Black</td><td>22</td><td>Turquoise w/mark every 35 mm</td></tr> <tr><td>11</td><td>Orange</td><td>23</td><td>Orange w/mark every 35 mm</td></tr> <tr><td>12</td><td>Pink</td><td>24</td><td>Pink w/mark every 35 mm</td></tr> </table>	1	Red	13	Yellow w/mark per 70 mm	2	Green	14	White w/mark per 70 mm	3	Blue	15	Grey w/mark per 70 mm	4	Yellow	16	Turquoise w/mark per 70 mm	5	White	17	Orange w/mark per 70 mm	6	Grey	18	Pink w/mark per 70 mm	7	Brown	19	Yellow w/mark every 35 mm	8	Violet	20	White w/mark every 35 mm	9	Turquoise	21	Grey w/mark every 35 mm	10	Black	22	Turquoise w/mark every 35 mm	11	Orange	23	Orange w/mark every 35 mm	12	Pink	24	Pink w/mark every 35 mm
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Outer diameter:	2 - 16 fibres: 8.5 mm 24 fibres: 8.5 mm																																																
Nominal weight:	2 - 16 fibres: 75 kg/km 24 fibres: 85 kg/km																																																
Strength:	Tensile strength (dynamic): 1000 N Tensile strength (permanent): 500 N Compressive strength (crush): 2000N																																																
Torsion:	5 cycles ± 1 turn																																																
Kink:	The cables do not form a kink when a loop is drawn together to a diameter of 100 mm																																																
Min. bending radius:	R = 55 mm																																																
Temperature range:	Storage and installation: -40°C to +70°C Operation: -40°C to +70°C The max. attenuation variation in the operational temperature range is: For M6 and M5 fibres: 0.5 dB/km For SM fibres: 0.2 dB/km																																																
Heat of combustion:	2-16 Fibres: 1200 MJ/km: 0.33kWh/m 24 Fibres: 1300 MJ/km: 0.36kWh/m																																																
Fire ratings:	IEC 60332-1-2: Single vertical wire test, IEC 60754-1: No halogens, IEC 60754-2: No acid matters, LSHF 1.0 kN IEC 61034-2: No dense smoke																																																
Standards:	ISO 11801 2nd edition, EN 50173-1:2002, IEC 60794-1																																																

Amount of fibres	BATT Part Number – Black	BATT Part Number - Blue
4	93537	93538
8	93539	93540
12	93541	93542

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