

(19)  
(12)

(KR)  
(B1)

(51) 。 Int. Cl.<sup>7</sup>  
G02B 6/44

(45)  
(11)  
(24)

2005 01 03  
10-0464365  
2004 12 22

(21) 10-2002-0048670  
(22) 2002 08 17

(65)  
(43)

10-2004-0016479  
2004 02 25

(73)

416

(72)

848-103

2 901

1 3/202

(74)

:

(54)

S-Z  
; S-Z

1.8~2.0mm

2

1  
2

가

( )  
(Air Blown Fibre Technology)

( pullin

g)  
가

가  
1 (loose tube)

가 (130)

가 가 (160) (170) (180)

(110) (150) (110) (120)

FRP(fiberglass reinforced plastic)  
VC(polyvinyl chloride), PE(polyethylene)

(150) (130) (150) (150) (110) P

130 (jelly compound, 140)가 (150) (110)

(160) (150)  
(170) (160)

(glass yarn) (strength yarn)

(180) (180) PVC(polyvinyl chloride), PE(p  
(polyethylene), (hytel), (nylon), (polypropylene)

ode) (180) (rip c

가

S-Z

1.8~2.0mm

S-Z

2

(210) (240) (250) (260) (270)

FRP (210) (210)

(240) S-Z S-Z

(Heinrich A. Kraft) (210) 4,828,352 (S-Z STRANDED

OPTICAL CABLE) S-Z (240) 12

(220) (220)

(240) (230)가 (240)

1.8~2.0mm 가 , 0.05% (excess fiber length)

(250) S-Z 가

(240) (210) 5,000 (TEX) 가

(250) (polyester)

(240) (250) 0.1%

110 5%

600 (gram) (tension) (240) (240) 0.

6mm (250) 75% 0.15mm

(fiber free window) (240) 가 가

(250) (swellable aramid yarn) ,

(260) (260) PVC, PE, (260)

(270)

(57)

1.

S-Z ; 1.8~2.0mm

S-Z ;

2.

S-Z ; 1.8~2.0mm

S-Z ;

